

冷热耐蚀工艺管道系统

CORROSION-PROOF TECHNICAL PIPE SYSTEM

PPH PPB PPR PP FRPP PVDF PPH PPB PPR PP FRPP PVDF PPH PPB PPR PP FRPP PVDF

XINGHE GROUP



江苏星河集团有限公司

JIANGSU XINGHE GROUP LIMITED COMPANY

产品制造求精、质量稳定求优

江苏星河集团有限公司是中国塑协塑料管道专业委员会理事单位、中国工程建设标准化协会会员单位,是全国塑料制品标准化技术委员会 TC48/SC3 委员单位,是中国石化集团物资装备公司设备资源市场成员单位,是中国石油天然气集团公司一级供应网络成员单位,是国家化工工艺配管中心站定点企业。1993 年公司通过国家计量保证确认,1996 年通过中国方圆标志委员会 ISO9001 质量体系认证及 ISO14001 环境体系认证。2005 年塑料管材产品被国家质检总局授予国家免检产品。

星河引进德国巴顿菲尔公司和奥地利辛那提公司及国内顶级的塑料管道生产设备,配套生产“星河”高性能聚丙烯 (PPH、PPB、PPR、PP、FRPP、PVDF 等) 管材、管件及冶金行业用工艺处理酸洗槽、化工耐蚀容器、阀门等产品。管道产品参照 DIN8077 DIN16962 ISO/DIS15874.1,符合 GB/T 18742-2002、HG20539-92、QB1929-92 标准的要求。星河工业耐蚀管道产品广泛应用于冶金、电力、给排水、化工、环保、医药等领域。

公司不断致力于冷热耐蚀工艺管道系统的开发和研究,以先进的生产装备、制造工艺和具有“星河”特色的缜密的管理体系以及全方位的服务作为企业发展的坚实基础,为推动冷热耐蚀工艺管道事业的发展作出卓越的贡献。

Jiangsu Xinghe Group Limited Company a unit under the leadership of China Plastic Pipeline Professional Committee, China Standardizing Project Construction Association and TC48/SC3B Branch Committee of Standardizing Technical Committee Nationwide, SINPEC Group Commodity and Equipment Resource Market. It is a first-rate network supplier for China Petroleum & Gas Group Company and a fix point of the National TCE Tube Center. This company won the affirmation of National Measurement, ISO 9001 quality system and ISO14001 environmental management system in 1993. Its plastic pipeline products have been awarded the exemption from quality exemption from quality inspection over its products issued by the Quality Examination Bureau.

Xinghe bringing in plastic pipeline production equipment of first-rate from Battenfeld in Germany, Cincinnati in Austria and China, produces Xinghe highly-qualified PPH, PPB, PPR, PP, FRPP, PVDF pipelines, pipes, sinks for techniques in metallurgy, anti-erosion equipment and valves etc.. This company acts according to the national standard of DIN8077 DIN16962 DIS15874.1, which conform to the requirement of GB/T18742 HG20539 QB1929. Its products have been widely used in metallurgy, chemical industry, draining water, electronics, environmental protection, medical field and so on.

Jiangsu Xinghe Group limited company has been devoting itself to the industrial Corrosion-proof technical piping systems and parts developing and researching, being the solid foundation for the enterprise development, with advanced production equipments, manufacturing technique and featured "Xinghe" strict and perfect management system as well as all-round services, our company has made great contribution for the Corrosion-proof technical piping cause improving.



用户满意求是、星河永远求新



先进的生产设备

Advanced producing equipment

江苏星河集团有限公司引进德国巴顿菲尔塑料有限公司和奥地利辛辛那提公司制造的管材生产线。具有国际先进水平,生产过程自动化程度高、工艺控制精确、产量高、质量稳定。采用先进的螺旋模头、真空定径装置,保证了产品的先进性和高品质。可生产 dn20~dn800 的 PPH、PPB、PPR、PP、FRPP、PVDF 管材、管件、配套生产 PPH 酸洗容器及阀门等产品。国内顶级的“海天”牌大型注塑机一次性注塑量达 5 万克,可一次性注塑成型 dn500 以下管件及阀门产品。

Jiangsu Xinghe Group Limited Company boasting international level in the pipeline producing line from Battenfeld in Germany, Cincinnati in Austria and China with highly automated processing, accurate technological control, high productivity and stable quality. Bringing in advanced basket-type molding heads and vacuum diameter-fix instrument provide products ensures its advanced level and high quality. This company owns several pipeline producing lines which can produce PPH, PPB, PPR, PP, FRPP, PVDF with a diameter varied from 20 to 800 and PPH sink and valve. With several large Haitian modeling machines of first-class it can produce various kinds of plastic pipelines beneath 50,000 grams or dn500.



Advanced
producing equipment



Advanced
producing equipment



完善的检测手段

Perfect testing methods

江苏星河集团有限公司参照 DIN8077 DIN16962 ISO/DIS15874.1 标准要求, 依据 GB/T 18742.1-2002《冷热水用聚丙烯管道系统 第1部分: 总则》、GB/T18742.2-2002《冷热水用聚丙烯管道系统 第2部分: 管材》、GB/T 18742.3-2002《冷热水用聚丙烯管道系统 第三部分: 管件》以及相关的技术, 对生产的 PPH、PPB、PPR、PP、FRPP、PVDF 管材、管件产品进行检测。

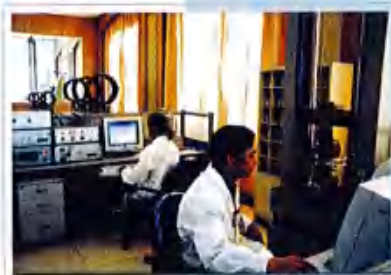
我公司按照标准中的技术要求配备了所需的检测设备并进行试验, 各项性能指标均符合标准的要求, 在同行业中处于领先地位。

Jiangsu Xinghe Group Limited Company tests PPH, PPB, PPR, PP, FRPP, PVDF according to DIN8077 DIN16962 ISO/DIS15874.1 GB/T18742.1-2002 Polypropylene pipeline system for both cold and hot water First part: General Rules, GB/T1874.2-2002 Polypropylene pipeline system for both cold and hot water Second part: Pipelines, GB/T1874.2.3-2002 Polypropylene pipeline system for both cold and hot water Third Part: Pipes and other standards of nation or company level. Our company equips the needed testing equipment and carries out tests according to standard technology. Therefore every functional standard can accord to standard requirement and takes a leading stand in the pipeline area.

主要检测设备

Testing Equipment

- 静液压试验机
- 氧化诱导时间测试仪
- 电子万能试验机
- 水份含量测定仪
- 熔体流动速率测定仪
- 简支梁冲击试验机
- 落锤冲击试验机
- 精密试验烘箱
- Hydrostatic Strength Tester
- Oxygen Induction Time Tester
- Universal Electron Testing Machine
- Moisture Content Tester
- Melt Flow Rate Tester
- Simplex Support Impact Tester
- Hammer Dropping Impact Tester
- Cycle Temperature-control Oven



PPH、PPB、PPR 管材

PPH, PPB, PPR PIPES

PPH、PPB、PPR 管材、管件,可输送温度不超过 110℃酸碱盐等腐蚀介质,广泛用于工业及民用冷热水、饮用水和采暖系统等场所。

PPH, PPB, PPR pipes and fittings may convey the corrosive medium of acid, alkali and salt, the temperature does not exceed 110℃. They are widely used in the field of industrial and civil water, potable water and heating system etc.

产品优点

- 重量轻:密度为 0.89~0.91g/cm³,仅为钢管的 1/9,紫铜管的 1/10。
- 无毒、卫生:原材料由碳、氢两种元素组成、生产和连接过程中,无需添加任何化学物品,其卫生性能符合《生活饮用水卫生监督管理办法》的规定要求。
- 耐热性能好、使用寿命长:可连续使用 50 年以上。
- 耐腐蚀性好:化学稳定性好、耐腐蚀、不结垢。
- 保温性能好:材料的导热系数为 0.21~0.24w/mk,比钢管和紫铜管小得多。
- 安装连接方便:管道安装连接采用机具热熔连接,熔接性能稳定可靠,使管路系统无渗漏。

Virtue of Products

- Light in Weight: The density is 0.89~0.91g/cm³, only one-nine of the steel pipe and one-ten of the red copper pipe.
- Nonpoisonous and health: Raw material is made up of carbon and hydrogen. There is no any additional chemical article during production and join. The hygiene performance conform to the requirement of <Life potable water hygiene controle management method>.
- Good heat resistance and ling usage life:
- Good corrosion-resisting: good chemical stability, corrosion resistance and no fouling.
- Good heat preservation: The thermal conductivity of the material is 0.21~0.24w/mk and is much less than that of the steel pipe and the red copper pipe.
- Installation conveniently: Pipe installation use the thermal connection with machines and tools, which has stable function to ensure no leakage of pipe system.

产品参照 DIN8077 DIN16962 ISO/DIS15874.1 标准,按 GB/T18742.2、GB/T18742.3 标准组织生产,其主要物理力学和化学性能见下表:

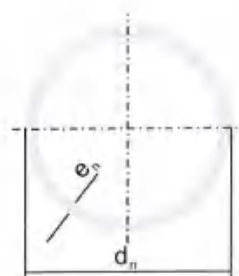
The pipes are manufactured in accordance with the standard of DIN8077 DIN16962 ISO/DIS15874.1, GB/T18742.2、GB/T18742.3 and the principal physical, mechanical and chemical behavior are as follows:

PPH 管物理性能 Physical Specification

检验项目 Test Items		PPH	PPB	PPR	试验方法 Test Method
密度 g/cm ³ (20℃) Density			0.89~0.93		GB/T1033
导热系数 w/m.k(20℃) Thermal conductivity			0.23~0.24		GB/T1099
线膨胀系数 mm/m.k Linear expansivity			0.14~0.16		GB/T1036
弹性模量 MPa(20℃) Elastic modulus			≥800		GB/T1040
纵向回缩率 Longitudinal retract rate			≤2%		GB/T6671
简支梁冲击试验 Simplex support impact test			<10%		GB/T18743
静液压试验 hydrostatic strength test		20℃、1h 环应力 21MPa 无渗漏 No leakage	20℃、1h 环应力 16MPa 无渗漏 No leakage	20℃、1h 环应力 16MPa 无渗漏 No leakage	GB/T6111
		95℃、165h 环应力 4.2MPa 无渗漏	95℃、165h 环应力 3.0MPa 无渗漏	95℃、165h 环应力 3.8MPa 无渗漏	
系统适用性试验 System Suitable Test	内压试验 Inner pressure test	无渗漏 No leakage	无渗漏 No leakage	无渗漏 No leakage	GB/T18742.2
	热循环试验 Heat cycle test	无渗漏 No leakage	无渗漏 No leakage	无渗漏 No leakage	
性	能 Property	典型值 Typical Value		单 位 Unit	测试方法 Test method
熔体质量流动速率(230℃/2.16Kg) Melt quality flow rate		0.30		g/10min	GB/T3682-2000
屈服应力(50mm/min) Yield Stress		30		Mpa	ISO527-2
屈服形变(50mm/min) Yield deformation		10		%	ISO527-2
抗张模量(1mm/min) Tensile modulus		1300		Mpa	ISO527-2
Charpy 冲击,开槽(+23℃) Impact, slot		50		KJ/m ²	ISO179/1eA
开槽(-20℃) slot		5		KJ/m ²	ISO179/1eA
维卡软化温度 B(50N) Vicat soften temperature		91		℃	ISO306
热变形温度(HDT) Distortion Temperature		96		℃	ISO75B

PPH、PPB、PPR 管材

PPH、PPB、PPR PIPES



d _n	SDR41 S20 PN0.25		SDR33 S16 PN0.32		SDR26 S12.5 PN0.4		SDR17.6 S8.3 PN0.6		SDR11 S5 PN1.0		SDR9 S4 PN1.25		SDR7.4 S3.2 PN1.6		SDR6 S2.5 PN2.0		SDR5 S2 PN2.5	
	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]	e _n	Weight [Kg/m]
16	-	-	-	-	-	-	-	-	2.0	0.08	2.0	0.08	2.2	0.10	2.7	0.11	3.3	0.13
20	-	-	-	-	-	-	1.8	0.10	2.0	0.14	2.3	0.13	2.8	0.15	3.4	0.18	4.1	0.21
25	-	-	-	-	-	-	1.8	0.13	2.3	0.19	2.8	0.20	3.5	0.23	4.2	0.28	5.1	0.32
32	-	-	-	-	-	-	1.9	0.18	2.9	0.27	3.6	0.32	4.4	0.38	5.4	0.45	6.5	0.52
40	-	-	-	-	1.8	0.22	2.3	0.27	3.7	0.41	43.5	0.50	5.5	0.58	6.7	0.70	8.1	0.81
50	-	-	1.8	0.27	2.0	0.30	2.9	0.42	4.6	0.64	5.6	0.78	6.9	0.90	8.3	1.10	10.1	1.25
63	1.8	0.35	2.0	0.39	2.5	0.47	3.6	0.66	5.8	1.0	7.1	1.25	8.6	1.46	10.5	1.72	12.7	1.98
75	1.9	0.44	2.3	0.55	2.9	0.65	4.3	0.94	6.8	1.4	8.4	1.76	10.3	2.00	12.5	2.43	15.1	2.81
90	2.2	0.61	2.8	0.76	3.5	0.94	5.1	1.3	8.2	2.0	10.1	2.53	12.1	2.90	15.0	3.50	18.1	4.04
110	2.7	0.9	3.4	1.2	4.2	1.4	6.3	2.0	10.0	3.0	12.3	3.76	15.1	4.30	18.3	5.20	22.1	6.03
125	3.1	1.2	3.9	1.5	4.8	1.8	7.1	2.6	11.4	3.9	14.0	4.85	17.1	5.76	20.8	6.74	25.1	7.78
140	3.5	1.5	4.3	1.8	5.4	2.2	8.0	3.2	12.7	4.9	15.7	6.06	19.2	7.23	23.3	8.46	28.1	9.75
160	3.9	1.9	4.9	2.4	6.2	2.9	9.1	4.2	14.6	6.4	17.9	7.94	21.9	9.42	26.6	11.03	32.1	12.63
180	4.4	2.4	5.5	3.0	6.9	3.7	10.2	5.2	16.4	8.1	20.1	9.50	24.6	11.9	-	-	-	-
200	4.9	2.9	6.2	3.7	7.7	4.5	11.4	6.5	18.2	9.9	22.5	11.91	27.4	15.1	-	-	-	-
225	5.5	3.7	6.9	4.6	5.6	5.7	12.8	8.0	20.5	12.6	25.3	15.07	30.8	18.5	-	-	-	-
250	6.1	4.6	7.7	5.7	9.6	7.1	14.2	10.1	22.8	15.5	27.9	18.48	34.2	22.2	-	-	-	-
280	6.9	5.7	8.6	7.2	10.7	8.8	15.9	12.6	25.5	19.5	35.3	23.35	-	-	-	-	-	-
315	7.7	7.2	9.7	9.1	12.1	11.2	17.9	16.0	28.7	24.6	35.1	29.31	-	-	-	-	-	-
355	8.7	9.1	10.9	11.6	13.6	14.1	20.1	20.3	32.3	31.2	-	-	-	-	-	-	-	-
400	9.8	11.6	12.3	14.6	15.3	17.9	22.7	25.7	36.4	39.7	-	-	-	-	-	-	-	-
450	11.0	14.7	13.8	18.4	17.2	22.7	25.5	32.5	41.0	50.2	-	-	-	-	-	-	-	-
500	12.2	18.0	15.3	22.7	19.1	28.0	28.3	40.1	45.5	62.0	-	-	-	-	-	-	-	-
560	13.7	22.6	17.2	28.5	21.4	35.0	31.7	50.3	-	-	-	-	-	-	-	-	-	-
630	15.4	28.6	19.3	36.1	24.1	44.3	35.7	63.7	-	-	-	-	-	-	-	-	-	-
710	17.4	36.4	21.8	45.8	27.2	56.3	40.2	80.8	-	-	-	-	-	-	-	-	-	-
800	19.6	46.1	24.5	58.1	30.6	71.2	45.3	103.8	-	-	-	-	-	-	-	-	-	-

特殊管壁管材 Special Wall Pipes

d _n	400	400	450	450	500	500	560	630	710	800
e _n	6.0	8.0	6.0	8.0	8.0	10.0	10.0	10.0	12.0	12.0
Weight (kg/m)	7.2	9.7	8.2	11	11.3	15.1	16.6	18.8	25.3	28.6

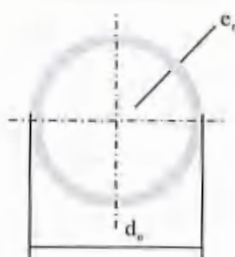
PP 管材 PP PIPES

PP 管材、管件按 QB/1929-92 标准生产,可输送水温在 95℃ 以下埋地的给水用管材,也可以用在工业生产供排水、农田排灌工程、药品制造业、化工、矿山等场所。

PP pipes and fittings manufactured according to the standard of QB/1929-92 which layed underground. The temperature is 95℃ below. It is used in the field of industrial production, water supplying and draining, agriculture drain and irrigate, medicine manufacture, Chemical and miner etc.

物理性能 Physical Property

项 目 Item		指标 Index	试验方式 Test method
纵向回缩率, % longitudinal retract rate		≤2.0	GB/T6671
液压试验 Hydraulic test	短期 short time	温度 20℃ 时间 1h 环应力 16MPa	不渗漏 Not leakage
	长期 long time	温度 80℃ 时间 48h, 环应力 4.8MPa	不渗漏 Not leakage
		时间 170h, 环应力 4.2MPa	不渗漏 Not leakage
落锤冲击试验 Hammer Dropping Impact Test		通过 pass	GB/T14152



规格尺寸 Dimension

公称 外径 d_n Nominal Diameter	壁厚 e_n Wall thickness											
	公称压力 Nominal pressure 0.2MPa		公称压力 Nominal pressure 0.4MPa		公称压力 Nominal pressure 0.6MPa		公称压力 Nominal pressure 1.0MPa		公称压力 Nominal pressure 1.6MPa		公称压力 Nominal pressure 2.0MPa	
	公称值 Nominal value	重量 weight kg/m	公称值 Nominal value	重量 weight kg/m	公称值 Nominal value	重量 weight kg/m	公称值 Nominal value	重量 weight kg/m	公称值 Nominal value	重量 weight kg/m	公称值 Nominal value	重量 weight kg/m
16	-	-	-	-	-	-	1.8	0.10	2.2	0.10	2.7	0.12
20	-	-	-	-	1.8	0.11	1.9	0.11	2.8	0.16	3.4	0.18
25	-	-	-	-	1.8	0.14	2.3	0.17	3.5	0.24	4.2	0.28
32	-	-	-	-	1.9	0.19	2.9	0.27	4.4	0.39	5.4	0.46
40	-	-	1.8	0.23	2.4	0.30	3.7	0.43	5.5	0.61	6.7	0.71
50	1.8	0.29	2.0	1.32	3.0	0.46	4.6	0.67	6.9	0.95	8.3	1.10
63	1.8	0.37	2.4	0.48	3.8	0.73	5.8	1.08	8.6	1.50	10.5	1.74
75	1.9	0.46	2.9	0.68	4.5	1.03	6.8	1.48	10.3	2.11	12.5	2.47
90	2.2	0.65	3.5	0.99	5.4	1.41	8.2	2.14	12.3	3.03	15.0	3.55
110	2.7	0.95	4.2	1.44	6.6	2.20	10.0	3.17	15.1	4.53	18.3	5.30
125	3.1	1.25	4.8	1.86	7.4	2.80	11.4	4.12	17.1	5.84	20.8	6.83
140	3.5	1.56	5.4	2.34	8.3	3.50	12.7	5.13	19.2	7.33	23.3	8.56
160	4.0	2.02	6.2	3.07	9.5	4.56	14.6	6.72	21.9	9.54	26.6	11.17
180	4.4	2.51	6.9	3.82	10.7	5.77	16.4	8.51	24.6	12.6	29.9	14.11
200	4.9	3.08	7.7	4.74	11.9	7.11	18.2	10.48	27.3	14.86	-	-
225	5.5	3.89	8.6	5.95	13.4	9.02	20.5	13.27	-	-	-	-
250	6.2	4.87	9.6	7.37	14.8	11.05	22.7	16.31	-	-	-	-
280	6.9	6.03	10.7	9.18	16.6	13.88	25.4	20.45	-	-	-	-
315	7.7	7.58	12.1	11.70	18.7	17.57	28.6	25.88	-	-	-	-
355	8.7	9.63	13.6	14.77	21.1	22.34	-	-	-	-	-	-
400	9.8	12.48	15.3	19.11	23.7	28.87	-	-	-	-	-	-
450	11.0	15.76	17.2	24.16	26.7	36.60	-	-	-	-	-	-
500	12.3	19.56	19.1	29.80	29.6	45.04	-	-	-	-	-	-
560	13.7	24.37	21.4	37.35	33.2	56.5	-	-	-	-	-	-
630	15.4	30.84	24.1	47.37	37.4	71.6	-	-	-	-	-	-

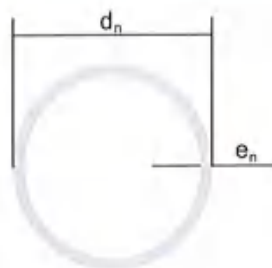
FRPP 管材 FRPP PIPES

FRPP 玻纤增强聚丙烯管材、管件按 HG20539 标准生产,可输送温度在-20~120℃酸、碱和盐类等腐蚀性介质,也广泛应用于化工、矿工、医药等场所。

FRPP Pipes and fittings manufactured according to the standard of Hg 20539, which may convey the corrosive medium of acid, alkali and salt at the temperature of -20~120℃, and widely used in the field of chemical miner and Medical etc.

物理性能 Physical Property

检验项目 Test Item	单位 Unit	指标 Index	测试方法 Test Method
热变形温度 Distortion temperature	℃	135	ISO75B
密度 Hydrostatic strength test	g/cm ³	0.95~1.00	GB/T1033
静液压试验 Hydraulic	20℃环向应力 21MPa	不渗漏	GB/T6111
拉伸强度 Tensile strength	MPa	35	GB/T8804.3
简支梁冲击强度 Simplex support impact strength	%	10	GB/T18743
落锤冲击强度 Homer dropping impact strength	%	10	GB/T14152
线膨胀系数 Linear expansivity	mm/m.k	0.14~0.16	GB/T1036



规格尺寸 Dimension

公称外径 d_n Nominal Diameter	公称压力 0.6MPa Nominal Pressure		公称压力 1.0MPa Nominal Pressure	
	壁厚 e_n Wall thickness	重量(kg/m) Weight	壁厚 e_n Wall thickness	重量(kg/m) Weight
20	3.0	0.17	3.0	0.16
25	3.0	0.22	3.5	0.24
32	3.5	0.33	4.5	0.40
40	3.5	0.43	5.5	0.60
50	3.5	0.55	5.5	0.78
63	3.5	0.71	6.0	1.10
75	3.9	0.95	6.2	1.37
90	4.7	1.37	7.5	2.00
110	5.7	2.02	9.1	2.93
125	6.5	2.62	10.4	3.81
140	7.2	3.25	11.6	4.75
160	8.3	4.26	13.3	6.20
180	9.3	5.37	14.9	7.84
200	10.3	6.60	16.6	9.70
225	11.6	8.36	18.7	12.27
250	12.9	10.30	20.7	15.08
280	14.4	12.88	23.2	18.93
315	16.2	16.98	26.1	23.94
355	18.3	20.74	29.4	30.35
400	20.6	26.92	33.2	39.48
450	23.2	34.13	37.5	50.19
500	25.7	41.96	41.7	61.93
560	28.7	52.46	46.7	77.66
630	32.3	66.37	52.5	98.24

PVDF 管材

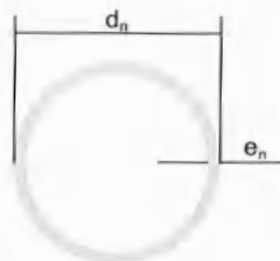
PVDF PIPES

PVDF(聚偏氟乙烯)管材具有化学稳定性好、强韧性、低摩擦系数、耐腐蚀性强、耐老化性、耐气候性、耐辐射性能好等特点通常用于输送工业流体和化学品。

PVDF Pipes have the advantage of good chemical stability,toughness and tenacity,low friction factor,high anti-corrosion,anti-aging,anti-climate and anti-radiation etc.which usually used for the industrial fluid and chemicals convey.

物理性能 Physical Property

物理性能 Physical Function	密度(g/cm ³) Density	1.75-1.79
机械性能 Mechanical Function	拉伸强度(23℃ Mpa) tensile strength	30-50
	断裂伸长率(23℃ %) Breakage elongation rate	50-100
热性能 Heating Function	连续最高使用温度(℃)Max.temperature for continuous use	150
	热变形温度(1.82MPa ℃) Distortion temperature	84

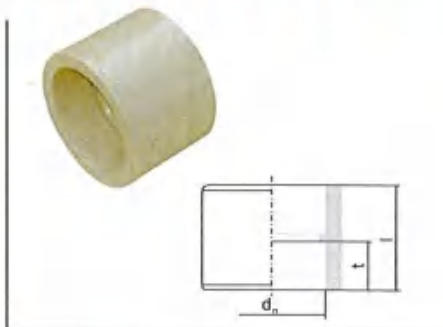


规格尺寸 Dimension

公称 外径 d_n	SDR11 S5 PN1.0		SDR9 S4 PN1.25		SDR7.4 S3.2 PN1.6		SDR6 S2.5 PN2.0		SDR5 S2 PN2.5	
	e_n (mm)	Weight (Kg/m)	e_n (mm)	Weight (Kg/m)	e_n (mm)	Weight (Kg/m)	e_n (mm)	Weight (Kg/m)	e_n (mm)	Weight (Kg/m)
16	2.0	0.08	2.0	0.08	2.2	0.10	2.7	0.11	3.3	0.13
20	2.0	0.14	2.3	0.13	2.8	0.15	3.4	0.18	4.1	0.21
25	2.3	0.19	2.8	0.20	3.5	0.23	4.2	0.28	5.1	0.32
32	2.9	0.27	3.6	0.32	4.4	0.38	5.4	0.45	6.5	0.52
40	3.7	0.41	4.5	0.50	5.5	0.58	6.7	0.70	8.1	0.81
50	4.6	0.64	5.6	0.78	6.9	0.90	8.3	1.10	10.1	1.25
63	5.8	1.0	7.1	1.25	8.6	1.46	10.5	1.72	12.7	1.98
75	6.8	1.4	8.4	1.76	10.3	2.00	12.5	2.43	15.1	2.81
90	8.2	2.0	10.1	2.53	12.1	2.90	15.0	3.50	18.1	4.04
110	10.0	3.0	12.3	3.76	15.1	4.30	18.3	5.20	22.1	6.03
125	11.4	3.9	14.0	4.85	17.1	5.76	20.8	6.74	25.1	7.78
140	12.7	4.9	15.7	6.06	19.2	7.23	23.3	8.46	28.1	9.75
160	14.6	6.4	17.9	7.94	21.9	9.42	26.6	11.03	32.1	12.63
180	16.4	8.1	20.1	9.50	24.6	11.9	-	-	-	-
200	18.2	9.9	22.5	11.91	27.4	15.1	-	-	-	-
225	20.5	12.6	25.3	15.07	30.8	18.5	-	-	-	-
250	22.8	15.5	27.9	18.48	34.2	22.2	-	-	-	-
280	25.5	19.5	31.3	23.35	-	-	-	-	-	-
315	28.7	24.6	35.1	29.31	-	-	-	-	-	-

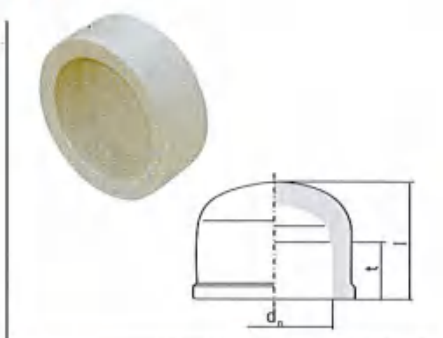
热熔承插注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL SOCKET INJECTION FITTING

热熔承插直管接头 THERMAL SOCKET STRAIGHT COUPLING



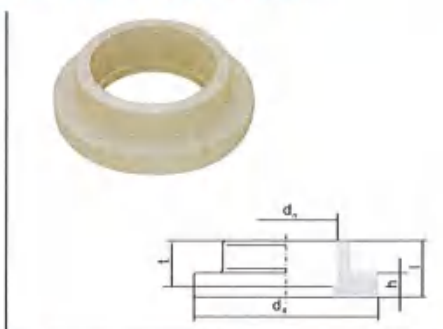
d_n	t	L	PN10/S5/SDR11
20	16.1	35.0	0.01
25	18.0	40.0	0.02
32	20.0	43.0	0.03
40	22.0	47.0	0.04
50	24.5	52.0	0.07
63	28.2	60.0	0.12
75	32.0	70.0	0.13
90	37.0	78.6	0.30
110	42.7	92.0	0.42

管帽 CAP



d_n	L	t	PN10/S5/SDR11
20	28.0	16	0.01
25	30.0	18	0.01
32	35.0	20	0.02
40	38.0	23	0.03
50	50.0	25	0.07
63	59.0	30	0.13
75	67.0	33	0.16
90	77.0	38	0.25
110	94.0	43	0.43

突缘接头 FLANGE ADAPTOR



d_n	d_s	h	L	t	PN1.0/S5/SDR11
20	45	10	21	14.5	0.01
25	58	10	23	16.0	0.02
32	67.7	10	25	19.0	0.04
40	77.1	10.5	26.5	22.6	0.05
50	87.6	13	30	23.5	0.07
63	101.4	13.7	33	28.6	0.09
75	121.3	17	38	30.6	0.15
90	138	16.3	42	35.3	0.31
110	158	18	46.5	41.5	0.40

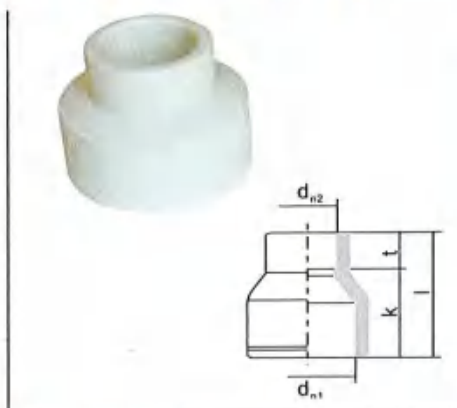
热熔承插活接头 UNIONS



d_n	L	t	b	PN1.0/S5/SDR11
20	112.0	14.5	36.0	0.10
25	116.5	16.0	37.0	0.12
32	124.0	18.1	41.0	0.16
40	131.0	20.5	46.5	0.24
50	136.0	23.5	49.0	0.38

热熔承插注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL SOCKET INJECTION FITTING

同心异径管 CONCENTRIC REDUCER



d_{n1}/d_{n2} [mm]	k	t	L	PN10/S5/SDR11
25/20	23	16.0	39	0.01
32/20	29	16.0	45.5	0.02
32/25	27	18.0	45	0.02
40/25	32	18.0	50	0.02
40/32	30	20.0	50	0.03
50/32	36.4	18.6	55	0.04
50/40	29.5	25.5	55	0.05
63/40	43.5	21.5	65	0.07
63/50	40	25.0	65	0.07
75/63	35	29.0	64	0.11
90/63	58.8	29.0	87.8	0.18
110/63	61	29.0	90	0.25
110/90	51.7	37.0	88.7	0.30

90° 弯头热熔承插 ELBOWS 90° FOR SOCKET WELDING



d_n	K	t	PN10/S5/SDR11 Weight [kg/只]
20	14.0	16.4	0.02
25	17.0	18.2	0.03
32	20.0	20.6	0.04
40	25.0	21.8	0.07
50	28.0	25.0	0.12
63	35.0	28.3	0.22
75	38.0	32.0	0.30
90	49.0	36.7	0.57
110	59.0	42.5	0.80

45° 弯头 ELBOWS 45°



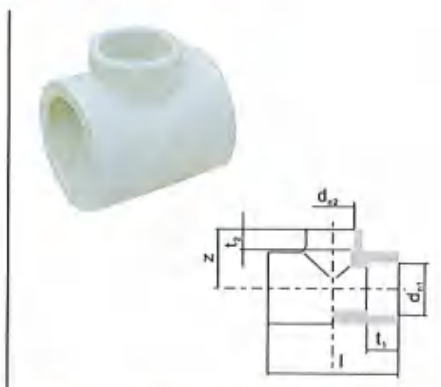
d_n	K	t	PN10/S5/SDR11 Weight [kg/只]
20	11.0	16.0	0.02
25	14.0	18.0	0.02
32	17.0	20.0	0.04
40	21.0	21.5	0.06
50	26.0	24.6	0.09
63	33.0	28.6	0.17
75	38.5	32.5	0.22
90	46.0	36.5	0.41
110	56.0	42.7	0.59

三通 EQUAL TEE



d_n	L	K	t	PN10/S5/SDR11 Weight [kg/只]
20	60.0	14.5	16.0	0.03
25	70.0	17.5	18.0	0.04
32	80.2	21.0	20.0	0.06
40	91.0	25.0	21.7	0.10
50	107.3	30.0	24.6	0.16
63	129.0	36.5	29.0	0.30
75	154.0	36.0	34.0	0.40
90	186.0	51.0	38.0	0.81
110	211.0	57.0	42.9	0.81

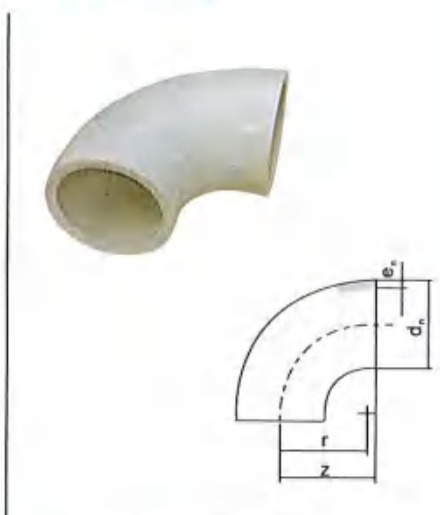
异径三通 UNEQUAL TEE



d ₁ /d ₂	t ₁	t ₂	L	Z	PN1.0/S5/SDR11
					Weight [kg/只]
25/20	18.4	16.1	68.5	31.9	0.04
32/20	20.0	16.1	79.5	40.0	0.05
32/25	20.0	18.0	79.5	40.0	0.06
40/20	21.7	16.1	89.9	44.8	0.08
40/32	21.7	18.0	90.5	46.8	0.08
50/25	25.0	16.0	110.0	50.0	0.16
50/32	25.0	18.0	110.0	51.0	0.16
50/40	24.0	19.0	107.0	52.5	0.17
63/32	27.8	19.1	128.5	64.5	0.27
63/40	28.6	21.5	128.6	64.6	0.28
63/50	28.6	24.0	128.6	64.6	0.28

热熔对焊注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

90° 弯头 ELBOWS 90°



d ₁ [mm]	r [mm]	z [mm]	PN0.6/S8.3/SDR17.6		PN0.6/S5/SDR11	
			e ₁ [mm]	Weight [kg/只]	e ₁ [mm]	Weight [kg/只]
63	60	70	3.6	0.11	5.8	0.15
75	72	85	4.3	0.16	6.9	0.22
90	85	100	5.1	0.22	8.2	0.33
110	105	124	6.3	0.37	10.0	0.62
125	125	140	7.1	0.56	11.4	0.79
140	140	150	8.0	0.75	12.8	1.25
160	155	180	9.1	1.20	14.6	1.70
180	175	200	10.2	1.55	16.4	2.40
200	195	210	11.4	2.20	18.2	3.26
225	225	250	12.8	3.91	20.5	4.46
250	255	285	14.2	3.94	22.8	6.27
280	260	290	15.9	5.66	25.5	8.58
315	300	340	17.9	6.68	28.7	9.83
355	300	340	20.1	11.30	32.3	17.20
400	300	340	22.7	15.70	36.4	23.00

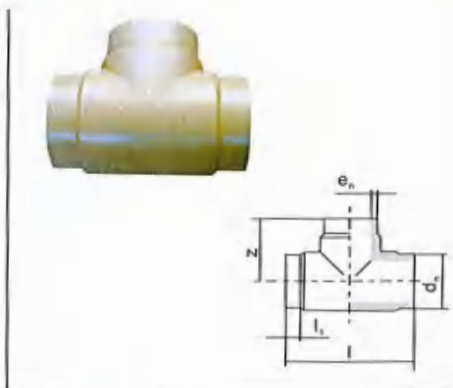
45° 弯头 ELBOWS 45°



d ₁ [mm]	l [mm]	z [mm]	PN0.6/S8.3/SDR17.6		PN1.0/S5/SDR11	
			e ₁ [mm]	Weight (kg/只)	e ₁ [mm]	Weight (kg/只)
63	64	80	3.6	0.11	5.8	0.17
75	70	95	4.3	0.17	6.9	0.26
90	82	104	5.1	0.30	8.2	0.44
110	82	108	6.3	0.45	10.0	0.68
125	100	133	7.1	0.70	11.4	1.03
160	117	157	9.1	1.32	14.6	2.05
180	132	177	10.2	2.04	16.4	2.86
200	121	171	11.4	2.26	18.2	3.56
225	126	183	12.8	3.10	20.5	4.76
250	157	219	14.2	4.65	22.8	6.80
280	174	244	15.9	6.20	25.5	9.30
315	177	256	17.9	8.58	28.7	12.30
355	180	260	20.1	11.50	32.3	14.00
400	185	275	22.7	12.00	36.4	18.40

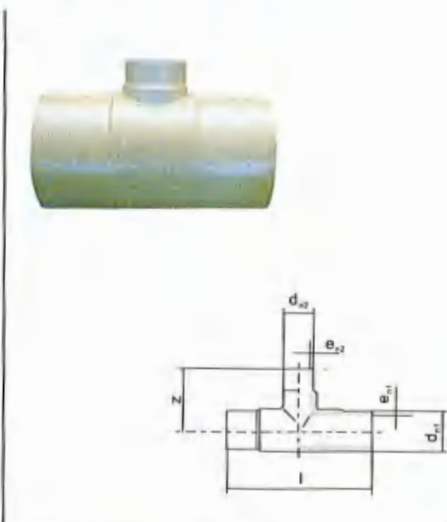
热熔对焊注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

三通 TEE



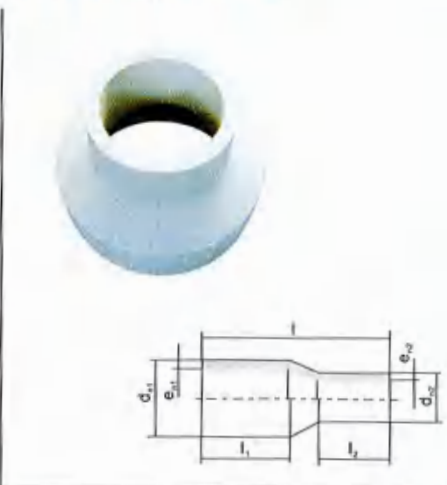
dn	L [mm]	ln [mm]	Z [mm]	PN1.0/S5/SDR11
				e1 [mm]
63	125	15	65	10.7
75	147	12	75	9.5
90	200	35	103	13.1
110	240	47	120	15.0
125	266	46	135	17.0
140	293	48	145	19.0
160	315	55	160	20.0
180	353	55	177	25.9
200	385	55	190	29.8
225	440	55	214	33.8
250	440	55	220	31.0
280	495	68	242	35.5
315	530	75	268	41.9
355	665	97	332	40.9
400	674	97	337	45.0

异径三通 REDUCING TEE



dn1 [mm]	dn2 [mm]	L [mm]	Z [mm]	PN10/S5/SDR11	
				e1 [mm]	e2 [mm]
90	50	203	93	8.2	4.6
90	63	203	95	8.2	5.8
110	50	230	113	10.0	4.6
110	63	230	107	10.0	5.8
110	90	230	115	10.0	8.2
125	63	265	112	11.4	5.8
140	110	290	137	12.8	10.0
160	63	315	132	14.6	5.9
160	90	315	140	14.6	8.2
160	110	315	158	14.6	10.0
180	63	348	140	16.4	5.8
180	90	348	145	16.4	8.2
180	110	348	150	16.4	10.0
200	63	388	150	18.2	5.8
200	90	388	163	18.2	6.2
200	110	388	155	18.2	10.0
200	160	388	178	18.2	14.6
225	110	435	165	20.5	10.0
225	160	435	190	20.5	14.6
250	110	435	195	22.8	10.0
250	160	440	213	22.8	14.6

异径管 REDUCING PIPE

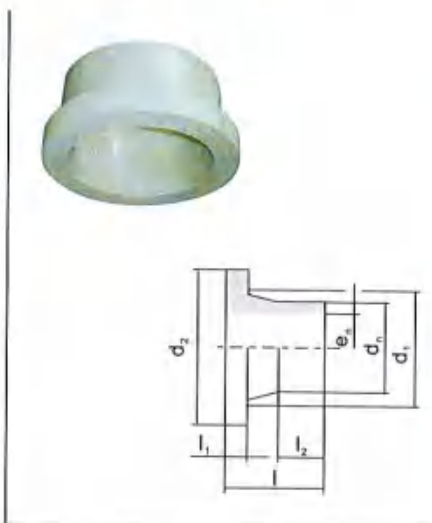


dn1/dn2 [mm]	L1 [mm]	L2 [mm]	L [mm]	PN10/S5/SDR11	
				e1/e2 [mm]	Weight [kg pc.]
63/32	64	49	136	5.8/3.0	0.10
63/40	59	50	129	5.8/3.7	0.10
63/50	66	59	151	5.8/4.6	0.14
75/63	65	59	149	6.9/5.8	0.20
90/63	72	63	159	8.2/5.8	0.27
110/63	83	63	181	10.0/5.8	0.43
110/90	83	74	179	10.0/8.2	0.50
125/63	91	63	193	11.4/5.8	0.58
125/90	90	74	191	11.4/8.2	0.64
125/110	90	82	201	11.4/10.0	0.73
160/90	103	79	221	14.6/8.2	1.04
160/110	98	88	225	14.6/10.0	1.18
160/125	98	92	231	14.6/11.4	1.32
160/140	102	97	229	14.6/12.8	1.35
180/125	132	97	274	16.4/11.4	1.86
180/160	132	104	276	16.4/14.6	2.08
200/160	112	102	252	18.2/14.6	2.28
225/160	128	102	270	20.5/14.6	2.92

热熔对焊注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

突缘接头

STUB FLANGES



d _n [mm]	d ₁ [mm]	d ₂ [mm]	l [mm]	PN10/S5/SDR11		
				e _n [mm]	l ₁ [mm]	l ₂ [mm]
63	75	102	50	5.8	14	18
75	89	122	50	6.9	16	18
90	105	138	80	8.2	17	40
110	125	158	80	10.0	18	38
125	132	158	80	11.4	25	32
140	155	188	80	12.8	25	30
160	175	212	80	14.6	25	30
180	180	212	80	16.4	30	24
200	232	268	100	18.2	32	28
225	235	268	100	20.5	32	38
250	285	320	100	22.8	35	27
280	291	320	100	25.5	35	35
315	335	370	100	28.7	35	30
355	373	430	120	32.3	40	32
400	427	482	120	36.4	46	49
450	514	585	120	41.0	60	27
500	530	585	120	45.5	60	37

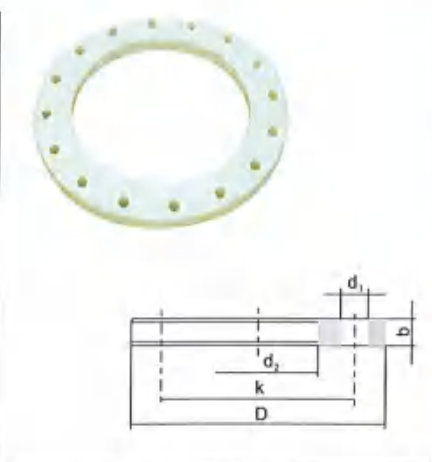


d _n [mm]	d [mm]	PN0.25/S20/SDR41		
		e _n [mm]	l ₁ [mm]	l ₂ [mm]
710	800	17.4	120	35
800	905	19.6	120	36

d _n [mm]	d [mm]	PN0.32/S6/SDR33			PN0.6/SR3/SDR17.6		
		e _n [mm]	l ₁ [mm]	l ₂ [mm]	e _n [mm]	l ₁ [mm]	l ₂ [mm]
560	685	17.4	120	35	31.7	120	50
630	685	19.6	120	35	35.7	120	50
710	800	22.1	120	35	40.2	120	50
800	905	24.9	120	36	45.3	120	52

钢制松套法兰

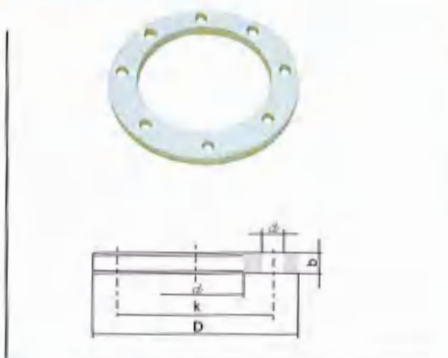
STEEL-MADE LOOSE FLANGE



d _n [mm]	DN [mm]	D [mm]	K [mm]	d ₁ [mm]	Screws		PN1.0/S5/SDR11	
					Number	Thread	d ₂ [mm]	b [mm]
63	50	165	125	18	4	M16	78	18
75	65	185	145	18	4	M16	92	18
90	80	200	160	18	8	M16	110	20
110	100	220	180	18	8	M16	133	20
125	100	220	180	18	8	M16	135	20
140	125	250	210	18	8	M16	158	24
160	150	285	240	22	8	M16	178	24
180	150	285	240	22	8	M20	188	24
200	200	340	295	22	8	M20	235	24
225	200	340	295	22	8	M20	238	24
250	250	409	350	22	12	M20	288	30
280	250	409	350	22	12	M20	294	30
315	300	463	400	22	12	M20	338	34
355	350	515	460	22	16	M20	37	42
400	400	574	515	26	16	M24	430	46

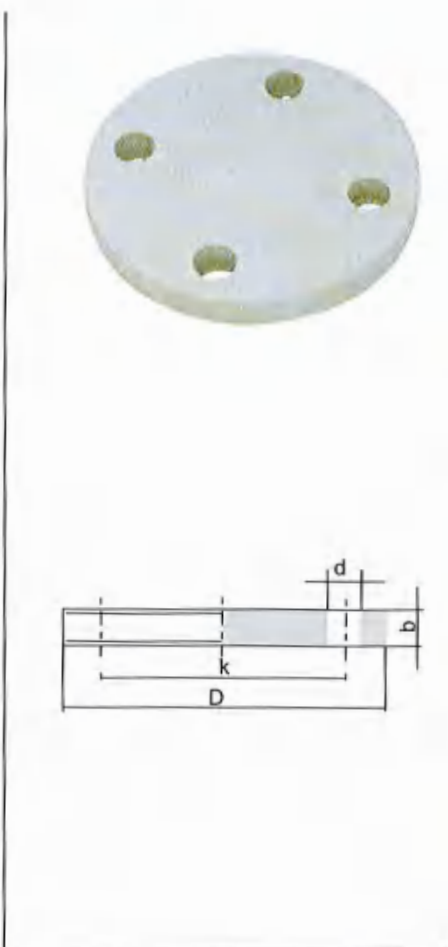
热熔对焊注塑管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

钢制松套法兰 STEEL-MADE LOOSE FLANGE



d _n [mm]	DN [mm]	D [mm]	K [mm]	d ₁ [mm]	b [mm]	d ₂ [mm]	Screws	
							Number	Thread
450	450	615	565	517	38	27	20	M24
500	500	670	620	533	40	27	20	M24
560	600	780	725	618	40	30	20	M27
630	600	780	725	645	40	30	24	M27
710	700	895	840	740	45	30	24	M27
800	800	1015	950	843	45	33	24	M30

法兰盲板 BLAND FLANGES

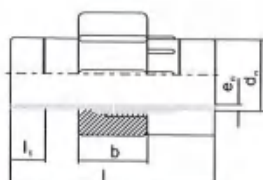


d _n [mm]	DN [mm]	D [mm]	K [mm]	d [mm]	Number	Thread	PN1.0/S5/SDR11	
							b [mm]	Weight [kg/pc.]
20	15	95	65	14	4	M12	12	0.30
25	20	105	75	14	4	M12	12	0.40
32	25	115	85	14	4	M12	16	0.56
40	32	140	100	18	4	M16	16	0.80
50	40	150	110	18	4	M16	18	0.96
63	50	165	125	18	4	M16	18	1.16
75	65	185	145	18	4	M16	18	1.58
90	80	200	160	18	8	M16	20	1.82
110	100	220	180	18	8	M16	20	2.63
125	100	220	180	18	8	M16	20	2.60
140	125	250	210	18	8	M16	24	3.88
160	150	285	240	22	8	M16	24	4.86
180	150	285	240	22	8	M20	24	4.86
200	200	340	295	22	8	M20	24	7.69
225	200	340	295	22	8	M20	24	7.42
250	250	409	350	22	12	M20	30	14.04
280	250	409	350	22	12	M20	30	14.04
315	300	463	400	22	12	M20	34	20.66
355	350	515	460	22	16	M20	42	39.00
400	400	574	515	27	16	M24	46	50.00
450	450	615	565	27	20	M24	46	16.0
500	500	670	620	27	20	M24	46	16.0
560	600	780	725	30	20	M27	46	21.5
630	600	780	725	30	24	M27	46	21.5
710	700	895	840	30	24	M27	46	28.8
800	800	1015	950	33	24	M30	46	36.9

说明: 表中 DN450~800: 按规格等级 PN0.32/S16/SDR33 列出重量。

Note: DN450~800 in this table: the weights are listed in accordance with description grade PN0.32/S16/SDR33.

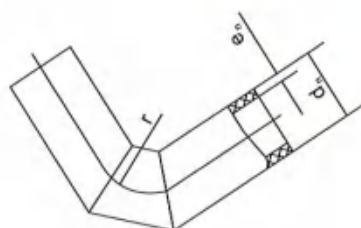
活接头 UNIONS



d _n [mm]	e _n [mm]	L	l ₁ [mm]	b [mm]	PN1.0/S5/SDR11
					Weight [kg/pc.]
20	2.5	103.0	18	34.5	0.08
25	2.7	111.0	18	36.0	0.10
32	3.0	117.5	22	37.0	0.12
40	3.7	124.0	22	41.5	0.16
50	4.6	132.0	22	46.5	0.24
63	5.8	137.0	23	49.0	0.38

热熔对焊焊制管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

90° 弯头 ELBOWS 90°

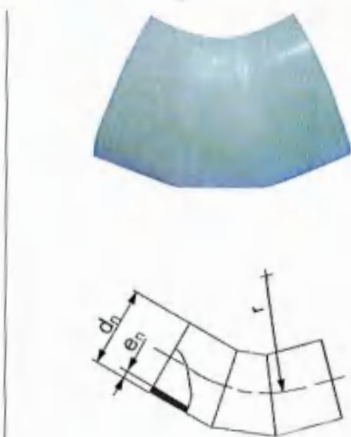


d _n [mm]	r [mm]	PN0.25/S20/SDR41		PN0.32/S16/SDR33	
		e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	675	11.0	19.8	14.0	22.0
500	750	12.2	27.0	15.5	31.0
560	840	13.7	31.3	17.4	37.4
630	945	15.4	43.0	19.6	52.0
710	1065	17.4	57.0	22.1	69.3
800	1200	19.6	76.0	24.9	96.0

d _n [mm]	r [mm]	PN0.6/S8.3/SDR17.6		PN1.0/S5/SDR11	
		e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	675	25.5	35.3	41.0	50.7
500	750	28.3	45.6	45.5	73.7
560	840	31.7	63.8		
630	945	35.7	93.9		
710	1065	40.2	120.7		

热熔对焊焊制管件 PPH PPB PPR PP FRPP PVDF THERMAL BUTT FITTING

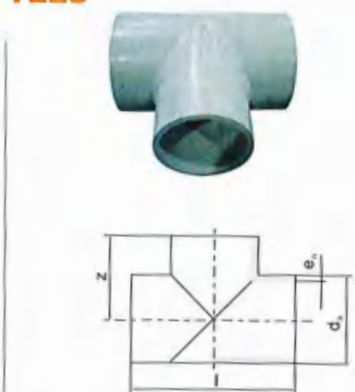
45° 弯头 ELBOWS 45°



d _n [mm]	r [mm]	PN0.25/S20/SDR41		PN0.32/S16/SDR33	
		e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	675	11.0	13.2	14.0	16.7
500	750	12.2	18.0	15.5	22.1
560	840	13.7	27.9	17.4	32.0
630	945	15.4	36.3	19.6	45.6
710	1065	17.4	52.1	22.1	66.9
800	1200	19.6	73.6	24.9	93.4

d _n [mm]	r [mm]	PN0.6/S8.3/SDR17.6		PN1.0/S5/SDR11	
		e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	675	25.5	29.6	41.0	45.8
500	750	28.3	40.5	45.5	62.7
560	840	31.7	56.8		
630	945	35.7	80.9		
710	1065	40.2	116.4		

三通 TEES

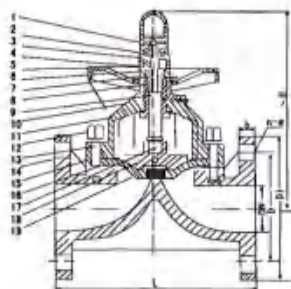


d _n [mm]	l [mm]	z [mm]	PN0.25/S20/SDR41		PN0.32/S16/SDR33	
			e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	960	480	11.0	19.0	14.0	23.0
500	1000	500	12.2	24.0	15.5	30.0
560	1080	540	13.7	32.0	17.4	41.0
630	1230	615	15.4	46.0	19.6	59.0
710	1310	655	17.4	60.0	22.1	77.0
800	1400	700	19.6	81.0	24.9	104.0

d _n [mm]	l [mm]	z [mm]	PN0.6/S8.3/SDR17.6		PN1.0/S5/SDR11	
			e _n [mm]	Weight [kg/pc.]	e _n [mm]	Weight [kg/pc.]
450	960	480	25.5	40.5	41.0	63.0
500	1000	500	28.3	52.0	45.5	81.0
560	1080	540	31.7	70.5		
630	1230	615	35.7	102.0		
710	1310	655	40.2	133.0		

阀门
VALVE

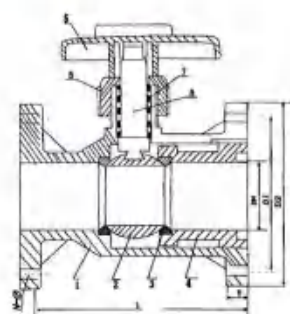
隔膜阀
DIAPHRAGM VALVE



件号 No.	名称 Name	材质 Material	件号 No.	名称 Name	材质 Material	件号 No.	名称 Name	材质 Material
1	螺柱	不锈钢、钢	8	阀杆螺母	不锈钢、钢	15	垫膜	橡胶 EPDM
2	指示器	钢	9	阀杆	不锈钢、钢	16	膜片	F46、PFA、PVDF
3	限位器	聚碳酸酯	10	阀盖	FRPP、PPH、PVDF	17	销	不锈钢、钢
4	垫圈	不锈钢、钢	11	滚动轴承	单和向推力球轴承	18	阀瓣	铁、玻璃钢
5	手轮	ABS	12	螺母	不锈钢、钢	19	隔膜	F46
6	压紧螺母	不锈钢、钢	13	螺柱	不锈钢、钢			
7	环	FRPP	14	阀体	FRPP、PPH、PVDF			

公称直径 Nominal Diameter	尺寸(mm) Size							工作压力(Mpa) Operating		工作温度(≤℃) Temperature		重量(-kg) Weight	
DN	DI	D	L	b	H	n	Φ	RPP	PVDF	RPP	PVDF	RPP	PVDF
15	95	65	125	14	125	4	14	0.6	1.0	100	120	0.8	1.2
20	105	75	135	16	130	4	14	0.6	1.0	100	120	0.9	1.6
25	115	85	145	16	145	4	14	0.6	1.0	100	120	1.0	1.8
32	135	100	160	16	170	4	18	0.6	1.0	100	120	1.3	2.4
40	145	110	180	16	190	4	18	0.6	1.0	100	120	1.8	3.0
50	160	125	210	18	215	4	18	0.6	1.0	100	120	2.5	3.9
65	180	145	250	22	280	4	18	0.6	1.0	100	120	5.0	7.8
80	195	160	300	25	300	4	18	0.6	0.8	100	120	6.1	8.9
100	215	180	350	25	340	8	18	0.8	0.8	100	120	9.7	15.0
125	245	210	400	30	420	8	18	0.8	0.6	100	120	13.5	21.0
150	280	240	460	30	480	8	23	0.8	0.6	100	120	25.0	37.0
200	335	295	570	35	625	8	23	0.8	0.6	100	120	36.5	56.0

法兰球阀
FLANGE BALL VALVE

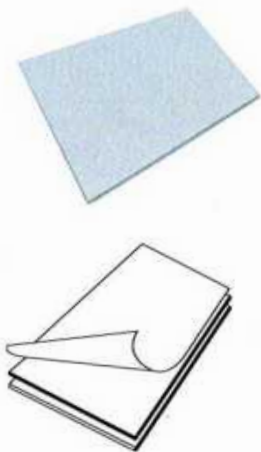


件号 No.	名称 Name	材质 Material	件号 No.	名称 Name	材质 Material
1	阀体 Body	FRPP、PVDF	5	手轮 Hand wheel	ADS
2	球 Ball	FRPP、PVDF	6	压紧螺母 Nut	FRPP、PVDF
3	密封圈 Seal Ring	F4	7	密封 Seal	F4
4	内塞 Inner plug	FRPP、PVDF	8	阀杆 Valve Rod	FRPP、PVDF

公称直径 Nominal Diameter	尺寸(mm) Size				工作压力(Mpa) Operating pressure		工作温度(≤℃) Temperature	
DN	D2	D1	L	T	Φ	η	RPP	PVDF
15	95	65	120	14	14	4	1.0	1.2
20	105	75	130	14	14	4	1.0	1.2
25	115	85	140	16	14	4	1.0	1.2
32	135	100	160	17	18	4	1.0	1.2
40	145	110	160	18	18	4	1.0	1.2
50	160	125	180	20	18	4	1.0	1.2
65	180	140	220	22	18	4	1.0	1.2
80	195	160	250	25	18	4	1.0	1.2
100	215	180	280	25	18	8	1.0	1.2
125	245	210	320	30	18	8	0.8	1.0
150	280	240	360	30	23	8	0.8	1.0
200	335	295	400	35	23	8	0.8	0.8

板材 FLATE

PPH、PPR、PPB、FRPP、PP、PVDF



材料 Material	颜色 Colour	密度 Density (g/cm ³)	规格 Size		
			1000 × 2000 mm	1500 × 3000 mm	2000 × 4000 mm
PPH	灰色 Grey	0.91	标准厚度 Standard thickness: 2,3,4,5,6,8,10,12,15 20,25,30,35,40,45,50mm		
FRPP	自然色 Natural	0.91			
PP	白色 White	0.91			

焊条 WELDING ROD

PPH、PPR、PPB、FRPP、PP、PVDF



横截面和尺寸 Corsection and dimension (mm)		灰色 grey	自然色 natural
●	2	●	●
	3	●	●
	4	●	○
	5	●	○
▼	7×5	○	●
	6×4	○	●
	4.8×3.4	○	○
	2×1.5	●	○

● 备有现货 Spot goods

○ 根据要求立即交货 Immediately delivery is available according to demands

管箍 BAND



规格 Size	规格 Size	规格 Size	规格 Size
20	50	110	180
25	63	125	200
32	75	140	250
40	90	160	315

PPH 酸槽及化工耐蚀设备

PPH ACID TANK AND CHEMICAL ANTI-CORROSION EQUIPMENT

PPH 是一种高分子量,低熔流率的均聚聚丙烯,它经过 β 改性具有细腻的结晶结构,使它即使在低温下也有优异的抗冲击强度,增加了静液压强度,增进了耐化学品性能,根据 PPH 材料的特性,将 PPH 管道和板材制作作为耐蚀设备广泛应用于化工、冶金和电子等领域。

PPH 酸洗槽和电解槽,既经济耐用,减少了设备维护,又延长了使用寿命,具有优越的性能。经过不断实践和完善,本公司生产的 PPH 酸洗槽和电解槽在国内化工、冶金行业享有良好的声誉。

PPH is a kind of high molecular weight, polypropylene homopolymer with low melt flow rate. It was modified through β to have delicate crystallize structure, which make it has excellent impact-resistant strength even under low temperature, increase hydrostatic strength, and promote chemical resistance. According to the characteristic of the material of PPH, PPH pipes and plates have been widely used as anticorrosion equipment in the fields of chemistry, metallurgical and electronics etc.

PPH acid tank and electrolytic tanks have been approved as not only durable but also economical, prolonged the usage life as well as reducing the cost of maintenance, with an excellent performance. With our continuous efforts prevailing in the practice and improvement, our product enjoys great reputation in chemistry and metallurgical industry.



PPH 路系统允许运行压力(参考值)

PPH PIPES SYSTEM PERMISSIBLE OPERATION PRESSURE(REFERENCE VALUE)

根据温度和运转周期确定 PPH 管路系统允许运行压力,适用于流经介质一水。

Permissible system operating pressure for PPH depending on temperature and operation period, which apply to the fluid medium of water

温度 Tempera- ture [°C]	运转周期 Operation period [years]	SDR41	SDR33	SDR26	SDR17.6	SDR11	SDR9	SDR7.4	SDR5
		S20	S16	S12.5	S8.3	S5	S4	S3.2	S2.5
		PN0.25	PN0.32	PN0.4	PN0.6	PN10.0	PN1.25	PN1.6	PN2.0
系统运行压力 Permissible system operating pressure ¹⁾ [bar]									
10	1	3.6	4.6	5.7	8.6	14.4	18	23.0	28.8
	5	3.2	4.2	5.2	7.9	13.2	16.5	21.1	26.4
	10	3.2	4.1	5.1	7.6	12.8	16	20.4	25.6
	25	3.0	3.9	4.8	7.2	12.1	15.1	19.4	24.4
	50	2.8	3.7	4.6	6.9	11.6	14.5	18.5	23.2
20	1	3.1	4.0	4.9	7.4	12.4	15.4	19.8	24.8
	5	2.8	3.6	4.5	6.8	11.4	14.1	18.2	22.8
	10	2.7	3.5	4.4	6.6	11.0	13.8	17.6	22.0
	25	2.6	3.3	4.1	6.2	10.4	12.9	16.6	20.8
	50	2.5	3.2	4.0	6.0	10.0	12.5	16.0	20.0
30	1	2.6	3.4	4.3	6.4	10.7	13.3	17.1	21.4
	5	2.4	3.1	3.9	5.8	9.6	12.1	15.5	19.4
	20	2.3	2.9	3.7	5.6	9.2	11.6	14.8	18.6
	25	2.2	2.8	3.5	5.2	8.8	10.9	14.0	17.6
	50	2.0	2.7	3.3	5.0	8.4	10.4	13.4	16.8
40	1	2.2	2.9	3.6	5.4	9.1	11.3	14.5	18.2
	5	2.0	2.6	3.2	4.9	8.2	10.3	13.1	16.4
	10	1.9	2.4	3.1	4.7	7.8	9.8	12.4	15.6
	25	1.8	2.4	2.9	4.4	7.3	9.1	11.7	14.7
	50	1.7	2.2	2.8	4.2	7.0	8.8	11.2	14.0
50	1	1.9	2.4	3.0	4.5	7.6	9.4	12.1	15.2
	5	1.6	2.1	2.7	4.0	6.8	8.4	10.8	13.6
	10	1.6	2.0	2.6	3.9	6.4	8.1	10.4	13.0
	25	1.5	2.0	2.4	3.6	6.0	7.5	9.7	12.2
	50	1.4	1.8	2.3	3.5	5.8	7.3	9.2	11.6
60	1	1.6	2.0	2.5	3.7	6.3	7.8	10.0	12.6
	5	1.4	1.8	2.2	3.3	5.6	6.9	8.9	11.2
	10	1.3	1.6	2.1	3.2	5.2	6.6	8.4	10.6
	25	1.2	1.6	2.0	3.0	5.0	6.3	8.0	10.0
	50	1.1	1.5	1.8	2.8	4.6	5.8	7.3	9.2
70	1	1.2	1.6	2.0	3.1	5.1	6.4	8.2	10.3
	5	1.1	1.4	1.8	2.7	4.5	5.6	7.2	9.1
	10	1.0	1.3	1.7	2.5	4.3	5.1	6.8	8.6
	25	0.8	1.1	1.4	2.1	3.5	4.4	5.6	7.1
	50	0.7	0.9	1.2	1.8	3.0	3.8	4.8	6.0
80	1	1.0	1.3	1.6	2.4	4.1	5.0	6.6	8.3
	5	0.8	1.1	1.3	2.0	3.4	4.1	5.5	6.8
	10	0.7	0.9	1.2	1.7	2.9	3.5	4.7	5.9
	25	0.5	0.7	0.9	1.4	2.3	2.9	3.7	4.7
	95	1	0.7	0.9	1.2	1.7	2.8	3.5	4.6
	5	0.4	0.6	0.8	1.2	1.9	2.5	3.1	3.9
	10	0.4	0.5	0.6	0.9	1.6	1.9	2.6	3.2

1)工作压力随外界因素的变化而变化。

2)此工作压力不适用于管道暴露在紫外线辐射情况,如加入碳黑及稳定化合物,管道在 10 年内会减小紫外线的影响。

1)The operating pressure changed with outside factors.

2)Operating pressures do not apply to pipes exposed to UV radiation, Within 10 years of operation this influence may be neutralized or essentially reduced by adding carbon black, etc. to the molding material.

腐蚀性介质的最大工作温度

The Maximum Working Temperature Of Corrosive Medium

介质 Medium	1)	组成成分 Composition %	试验压力 test pressure (N/mm ²)	温度 Temperature °C		介质 Medium	1)	组成成分 Composition %	试验压力 test pressure (N/mm ²)	温度 Temperature °C	
				PPH	PP					PPH	PP
乙酸乙酯 (乙酸、醋酸、乙醚、乙基醚、乙脂)	A	100	2.0-3.0	60	60	葡萄糖	O	≤20		60	
蓄电池酸	A	H		60	60	肥盐	A	≤GL		60	
矾 (MeI Ⅰ-MeI Ⅱ)	A	≤GL		60	60	FeCl ₂ 和 FeCl ₃	A	100		60	
氧化铝 AlCl ₃	A	≤GL		60	20	天然气	O	100	4.0-2.0	60	
硫酸铝 Al ₂ (SO ₄) ₃	A	≤GL		60	60	天然气冷凝液	O	H	2.0	60	
氨气态 NH ₃	A	TR		60	60	乙二醇	O	100	4.0-2.0	60	
氢氧化铵 NH	A	≤GL		60	60	防冻剂	M	100	5.0-3.0	60	
碳酸氢铵	A	≤GL		60	60	尿素	O	≤GL		60	
氯化铵 NH ₄ Cl	A	≤GL		60	60	酵母	O	每个		60	
溴化铵 NH ₄ Br	A	≤GL		60	95	己醇	O	100	3.0	60	
磷酸铵	A	≤GL		60	60	氢氧化钾 KOH	A	≤50		60	
硫酸铵 (NH ₄) ₂ SO ₄	A	≤GL		60	95	硼酸钾 K ₂ B ₄ O ₇	A	≤GL		60	
硫化铵 (NH ₄) ₂ S	A	≤GL		60	60	溴酸钾	A	≤10≤GL		60	
碳酸钡 BaCO ₃	A	≤GL		60	95	氯化钾 KCl	A	≤GL		60	
氯化钡 BaCl ₂	A	≤GL		60	60	氰化钾 KCN	A	≤GL		20	
氢氧化钡 Ba(OH) ₂	A	≤GL		60	60	氟化钾 KF	A	≤GL		60	
硫酸钡 BaSO ₄	A	≤GL		60	95	碳酸氢钾 KHCO ₃	A	≤GL		60	
硫化钡 BaS	A	≤GL		60	95	碘化钾 KI	A	≤GL		60	
钡盐	A/M	≤GL		60	60	硝酸钾 KNO ₃	A	≤GL		20	
硫酸铅 PbSO ₄	A	≤GL		60	60	氯化钠 NaCl	A	25		60	
四硼酸钠 Na ₂ B ₄ O ₇	O	≤GL		60	95	二氧化碳 CO ₂	A	每个		60	
烧碱	O	≤GL		60	95	氯化铜 CuCl ₂	A	≤GL		60	
脱脂乳	A	≤GL		60	60	氰化铜 CuCN	A	≤GL		60	
氯化镉 CdCl ₂	A	≤GL		60	60	铜电解液	A	20/5	4.0-2.0	60	
氰化镉 Cd(CN) ₂	A	≤GL		60	60	硝酸铜	A	≤30		60	
乙酸钙 (CH ₃ COO) ₂ Ca	M	≤GL		60	60	硫酸铜 CuSO ₄	A	≤GL		60	
碳酸钙 CaCO ₃	A	≤GL		60	95	空气 O ₂ , N ₂	A	100		60	
氯化钙 CaCl ₂	A	≤GL		60	60	碳酸镁	A	≤GL		60	
氟化钙 CaF ₂	A	≤GL		60	60	氯化镁	A	≤GL		60	
氢氧化钙 Ca(OH) ₂	A	≤GL		60	60	碳酸氢镁	A	≤GL		60	
硝酸钙 Ca(NO ₃) ₂	A	≤GL		60	60	镁盐	A/M	≤GL		60	
硫酸钙 CaSO ₄	A	≤GL		60	60	硫酸镁	A	≤GL		20	
硝酸 HNO ₃	A	30		60	80	镍盐	A/M	≤GL	4.0-2.0	60	60
		50		40	40						
氢氟酸 HF	A	10		60	95	辛醇	O	100	4.0-2.0	60	60
海水	A	H		60	95	磷酸 H ₃ PO ₄	A	75	4.0-2.0	60	80
甲醛	O	100	4.0-2.0	60		汞盐	A/M	≤GL		60	60
CH ₃ CH ₂ NH ₂	O	100	2.5-1.5		95			40	3.0	60	95
乙酸钠 CH ₃ COONa	A	≤GL		60	95	硫酸 H ₂ SO ₄	A	78	4.0-2.0	60	80
溴化钠 NaBr	A	≤GL		60	60			85	3.0	60	80
碳酸钠 Na ₂ CO ₃	A	≤50		60	60	硫酸银 AgNO ₃	A	≤GL		60	60
氯酸钠 Na ₂ ClO ₂	A	≤GL		60	60	银盐	M	≤GL		60	60
氯化钠 NaCl	A	≤GL		60	95	苏打 Na ₂ CO ₃	A	≤50		60	60
碳酸氢钠 NaHCO ₃	A	≤GL		60	95	淀粉浆	O	每个		60	60
硫酸氢钠 NaHSO ₄	A	≤GL		60	60	变压器油	O	100	3.0	60	
亚硫酸氢钠 NaHSO ₃	A	>10		60	20			100	2.0	60	
硝酸钠 NaNO ₃	A	≤GL		60	60	葡萄糖	A	≤20		60	95
亚硝酸钠 NaNO ₂	A	≤GL		60	60	甘油三醋酸脂		100	4.0-2.0	60	
磷酸钠 Na ₂ PO ₄	A	≤GL		60	95	水 H ₂ O	A	100		60	95
硅酸钠, 水玻璃	A	>10		60	60	酒	M	H		60	60
硫酸钠 Na ₂ SO ₄	A	≤GL		60	60	酒石酸	O	≤10		60	60
硫化钠 Na ₂ S	A	≤GL		60	60	锌盐	A/M	≤GL		60	60
亚硫酸钠 Na ₂ SO ₃	A	>40		60	95	二氯化锡 SnCl ₂	A	≤GL		60	60
四硼酸钠 Na ₂ B ₄ O ₇	A	≤GL		60	60	四氯化锡 SnCl ₄	A	≤GL		60	60
硫代硫酸钠, 大苏打 Na ₂ S ₂ O ₃	A	≤GL		60	60	糖浆	O	H		60	60
氢氧化钠 NaOH	A	50		60		盐酸 HCl		38		60	80

备注:

1) A: 无机物 O: 有机物 M: 有机物与无机物的混合

2) GL: 饱和水溶液 (20°C) TR: 工业纯介质 H: 高售成分或自然存在的

Remarks

1) A: mineral O: Organism M: mixture of organism and mineral

2) GL: saturation solution (20°C). TR: industrial pure medium. H: sale cost or natural exist



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