

## 管材料

### Pipe Grade

#### 产品简介

中国石化聚丙烯管材料是将少量乙烯在丙烯链段上共聚得到的共聚物，主要包括抗冲共聚聚丙烯 (PP-B) 和无规共聚聚丙烯 (PP-R)。产品具有良好的抗蠕变能力，优异的长期耐老化性能和抗冲击性能，高温下具有良好的耐抽提性。

#### Overview

Sinopec PP pipe grade is a copolymer produced by copolymerization of a small amount of ethylene in propylene chain segments. There are two main types of PP pipe grade—propylene impact copolymer (PP-B) and propylene random copolymer (PP-R). The resin has good creep resistance, excellent long-term aging resistance, impact resistance, and good extraction resistance at high temperatures.

#### 产品用途

聚丙烯管材料产品主要用于建筑物给水系统、采暖系统以及化工管道系统的管材制造，制品具有质轻、耐腐蚀、不结垢、使用寿命长、卫生性能好、保温节能、安装方便、连接可靠等特点。

#### Applications

PP pipe grade is mainly used in the production of pipes used in building water supply systems, heating systems and chemical piping systems. Products made from this resin are characterized by light weight, corrosion resistance, fouling, long service life, good

sanitation properties, thermal retardation, easy installation, reliable connection and recyclable processing scrap.

#### 产品包装及贮运要求

产品采用重包装袋 (FFS) 包装、FFS薄膜袋包装，净重25 Kg /袋。

产品应存放在通风、干燥的仓库内，远离火源，防止阳光直接照射，不得露天堆放。产品运输时不得在阳光下曝晒或雨淋，不得与沙土、碎金属、煤炭、玻璃等混合装运，更不可与有毒物质、腐蚀性和易燃物品混装。

#### Package, Storage and Transportation

The resin is packaged in internally film-coated polypropylene woven bags or FFS film bags. The net weight is 25Kg/bag.

The resin should be stored in a drafty, dry warehouse and away from fire and direct sunlight. It should not be piled up in the open air. During transportation, the material should not be exposed to strong sunlight or rain and should not be transported together with sand, soil, scrap metal, coal or glass. Transportation together with toxic, corrosive and flammable substance is strictly prohibited.



主要产品牌号性能指标典型值（非保证值）及用途

Grades, Typical Values (Not Warranted Values) and Applications

产品牌号 Grades		B8101	4220	PPR4400	BR4400	B1101	C180
熔体流动速率 MFR	g/10min	0.4	0.3	0.23	0.23	0.3	0.3
拉伸强度 Tensile strength at yield	MPa	23.5	24	24.3	24.3	28.8	22
断裂伸长率 Elongation at break	%	200	750	—	590	636	—
主要用途 Applications		冷水管材 Cold Water Pipes	冷、热水 管材 Cold and Hot Water Pipes	冷、热水管材、 工业管道系统 Cold and Hot Water Pipes, Industrial Piping System	冷、热水管材、 工业管道系统 Cold and Hot Water Pipes, Industrial Piping System	化工管道系统、 片材和 板材 Chemical Piping System, Sheets and Plates	冷水 管材 Cold Water Pipes
产品认证 Certifications		食品卫生/饮用水 卫生/FDA	食品卫生/饮用水 卫生/FDA	食品卫生/饮用水 卫生/FDA	食品卫生/饮用水 卫生/FDA	FDA	食品卫生
生产企业 Manufacturers		燕山、茂名 Yanshan, Maoming	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	扬子 Yangzi

产品牌号 Grades		YPR-503	PPR-E00-V (YPM- 2203T)	PPR-M00 (YPR-503)	YEM-4903T	H5416	QPR01	T4401
熔体流动速率 MFR	g/10min	0.3	0.35	0.35	0.3	0.2	0.21	0.3
拉伸强度 Tensile strength at yield	MPa	22	22	22	23	28	25	25
断裂伸长率 Elongation at break	%	—	—	—	—	—	—	—
主要用途 Applications		冷、热水管材 Cold and Hot Water Pipes	冷水管材 Cold Water Pipes	热水管材 Hot Water Pipes	PE100	冷、热水管 材, PPR80 Cold and Hot Water Pipes, PPR80	冷水管材 Cold Water Pipes	冷水管材 Cold Water Pipes
产品认证 Certifications		食品卫生	—	—	—	—	—	—
生产企业 Manufacturers		扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	中沙 SSTPC	齐鲁 Qilu	茂名 Maoming