

注塑料—抗冲共聚料

Injection Molding Grade-Impact Copolymer

产品简介

中国石化是国内抗冲共聚聚丙烯的主要供应商，这种树脂是通过在半晶的丙烯均聚物基体中引入橡胶化的乙丙共聚物而产生的多相共聚物。产品具有高热变形温度、良好的耐划痕性以及低温抗冲击性和良好的刚韧平衡性，同时具有良好的流动性，制品成型周期短，成型加工性能优异。

Overview

Sinopec is the main supplier of PP impact copolymer in China. The resin is created by introducing ethylene-propylene rubber inside semi-crystalline PP homopolymer matrix. It has high heat deformation temperature (HDT), good scratching resistance, good impact resistance at low temperature, good rigid-tough balance and good fluidity. Products made from this resin are characterized by fast processing and excellent processability.

主要用途

抗冲共聚聚丙烯广泛用于制作汽车仪表板和内饰件、汽车保险杠、洗衣机内外件、蓄电池壳以及油箱等工业制品，也用于制作日杂用品，如瓶盖、厨具、家具、玩具、工具箱、旅游箱包以及各类包装容器等。

Main Applications

PP impact copolymer is widely used in the production of industrial products, such as dashboard, auto interior decorations, auto bumpers, interior and exterior parts of washing machine, accumulator containers and tanks. It can also be used to make household articles, such as bottle caps, cookware, furniture, toys, toolkits, travel cases, bags and various packaging containers.

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。

Packages, Storage and Transportation

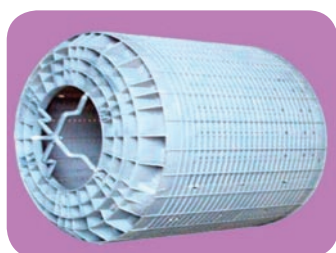
The resin is packaged in internally film-coated polypropylene woven bags or FFS film bags. The net weight is 25Kg/bag.

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.



| 产品牌号 Grades | | EPS30R | EPS30RA | SP179 | QPK10 | QP73NK | EPS30R | M700R | M180R | M2600R |
|---|--------------------------------|--|--|-----------------------------|-----------------------------------|------------|--|---|---|--|
| 熔体流动速率 MFR | g/10min | 1.5 | 2.5 | 10 | 10.8 | 8.3 | 1.5 | 7 | 1.8 | 26 |
| 拉伸屈服强度 Tensile Strength at yield | MPa | 24 | 24 | 19 | 19.6 | 28 | 22 | 31 | 21.6 | 24.5 |
| 悬臂梁缺口冲击 强度 Notched Izod Strength | (23°C, KJ/ m ²) | — | — | — | 54.6 | 7.6 | 320 (J/m) | 15 | 29.5 | 43 |
| | (-20°C, KJ/m ²) | 4 | 5 | 7 | 10.8 | 3.5 | 45 (J/m) | — | — | 27 |
| 弯曲模量 Flexural Modulus | MPa | 950 | 750 | 700 | 960 | 1330 | 900 | 1100 | 900 | 1200 |
| 主要用途 Applications | | 负重部件、 汽车部件 Heavy Duty Parts, Automotive Parts | 负重部件、 汽车部件 Heavy Duty Parts, Automotive Parts | 汽车部件 Automotive Parts | 抗菌抗冲 Bacteria- free, Impact | | 负重部件、 汽车部件 Heavy Duty Parts, Automotive Parts | 汽车、 蓄电池壳 Shells of Automobiles and Cases Batteries | 周转箱、 重包装 Transfer Cases, Heavy Duty | 洗衣机内桶 Washing Machine Barrels |
| 产品认证 Certifications | | ROHS | — | — | — | — | — | ROHS | 食品卫生/ FDA/PAHS | ROHS |
| 生产企业 Manufacturers | | 齐鲁 Qilu | 齐鲁 Qilu | 齐鲁 Qilu | 齐鲁 Qilu | 齐鲁 Qilu | 天津 Tianjin | 上海 Shanghai | 上海 Shanghai | 上海 Shanghai |

| 产品牌号 Grades | | EP200K | EP548R | EP300H | SP179 | J842 | 2240S | 2800J | K7926 |
|---|--------------------------------|---------------------------------|---|----------------------------------|--|--|--------------|--------------|-------------------------|
| 熔体流动速率 MFR | g/10min | 3.5 | 29 | 2 | 10 | 35 | 30 | 2.8-4.8 | 26 |
| 拉伸屈服强度 Tensile Strength at yield | MPa | 22 | 27 | 25 | 19 | 24 | 22 | 18 | 25 |
| 悬臂梁缺口冲击 强度 Notched Izod Strength | (23°C, J/ m) | 60 | — | — | — | 6 | 7 | 54 | — |
| | (23°C, kJ/ m ²) | — | 8 | 10 | — | — | — | — | 11 |
| 弯曲模量 Flexural Modulus | MPa | 950 | 1450 | 1000 | 800 | 1200 | 1050 | 830 | 1200 |
| 主要用途 Applications | | 食品、文 具、衬衫和 针织品包装 (高透明) | 食品、化妆 品、衣服和 香烟包装 (密封性 好, 低热封 温度) | 食品、文具、 衬衫和针织品 包装 (高透 明) | 高抗冲器具、汽 车部件 High-impact, Devices, Automotive Parts | 洗衣机料 Washing Machine barrel and parts | 桶, 箱子, 容器 | 行李箱, 玩具 | 普通用途、 家庭用品、 玩具、家电 |
| 产品认证 Certifications | | — | — | — | — | — | — | — | — |
| 生产企业 Manufacturers | | 中沙 SSTPC | 中沙 SSTPC | 中沙 SSTPC | 中沙 SSTPC | 广州 Guangzhou | 福建联合 FREP | 福建联合 FREP | 赛科 SECCO |



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 | | EPT30R | EPC30R-H | HHP4 | PPB-MM35-S | PPB-MML28-S | EPS30R | HHP10 | J-641 |
|--|-------------|---|---|---|-------------------------------------|-----------------------------|---|-------------------------------------|---------------------------------------|
| 熔体流动速率 MFR | g/10min | 3.5 | 9.0 | 28.0 | 37 | 30 | 1.8 | 35 | 15.0 |
| 拉伸屈服强度 Tensile Strength at yield | MPa | 22 | 23 | 18 | 25 | 22 | 20 | 22 | 22 |
| 悬臂梁缺口 冲击强度 Notched Izod impact Strength | (23°C, J/m) | 130 | 75 | 80 | 10 | — | 200 | 120 | 8 |
| 弯曲模量 Flexural Modulus | MPa | 900 | 950 | 900 | 1200 | 1150 | 900 | 1100 | 1050 |
| 主要用途 Applications | | 玩具制品、 蓄电池外壳 Toys, Shells of Storage Batteries | 家用电器、 包装用品 Household Appliances, Packages | 薄壁注塑制品 Thin Injection Molding Products | 洗衣机内桶 Washing Machine Barrels | 汽车部件 Automotive Parts | 家用电器、 包装用品 Household Appliances, Packages | 洗衣机内桶 Washing Machine Barrels | 容器、杂品箱 Containers, Sundry Cases |
| 产品认证 Certifications | | 食品卫生/ FDA/ROHS/ PAHS | 食品卫生/ FDA/ROHS/ PAHS | ROHS/FDA | ROHS/FDA | ROHS/FDA | FDA | FDA/ROHS | FDA/ROHS/ PAHS |
| 生产企业 Manufacturers | | 茂名 Maoming | 茂名 Maoming | 茂名 Maoming | 茂名 Maoming | 茂名 Maoming | 茂名 Maoming | 茂名 Maoming | 广州 Guangzhou |

| 产品牌号 Grades | | PPB-M02 (J340) | PPB-M02-V (K8003) | K9927 | K9015 | YPJ-1215C | PPB-M20-V (YPJ- 1220C) | YPJ-706 | M180RI |
|--|-----------------------------|---|---|---|-----------------------------|-----------------------------|------------------------------|-------------------|--|
| 熔体流动速率 MFR | g/10min | 1.8 | 2.5 | 27 | 15 | 15 | 20 | 6.5 | 1.8 |
| 拉伸屈服强度 Tensile Strength at yield | MPa | 25 | 21 | 18 | 14 | 22 | 18 | 20 | 25 |
| 简支梁缺口 冲击强度 Notched Izod impact Strength | (23°C, KJ/m ²) | 10 | 40 | — | — | — | 30 | — | 600 |
| | (-20°C, KJ/m ²) | 3 | 5 | — | — | 6 | 3.0 | — | 80 |
| 弯曲模量 Flexural Modulus | MPa | 1000 | 900 | 800 | 600 | 1030 | 800 | 1000 | 900 |
| 主要用途 Applications | | 玩具制品、蓄 电池外壳 Toys, Shells of Storage Batteries | 玩具制品、蓄 电池外壳 Toys, Shells of Storage Batteries | 洗衣机 内桶 Washing Machine Barrels | 汽车部件 Automotive Parts | 汽车部件 Automotive Parts | 汽车部件 Automotive Parts | 瓶盖 Bottle Lips | 周转箱、 重包装 Transfer Boxes, Heavy Packages |
| 产品认证 Certifications | | 食品卫生/ ROHS | — | 食品卫生/ FDA/PAHS | — | — | — | 食品卫生/FDA | — |
| 生产企业 Manufacturers | | 扬子、镇海 Yangzi, Zhenhai | 扬子、镇海 Yangzi, Zhenhai | 扬子 Yangzi | 扬子、茂名 Yangzi, Maoming | 扬子 Yangzi | 扬子 Yangzi | 扬子 Yangzi | 上海 Shanghai |



