

## 薄膜料—双向拉伸料

### Film Grade – Biaxial Orientation Stretching Polypropylen (BOPP)

#### 产品简介

中国石化是国内双向拉伸聚丙烯(BOPP)树脂的最大供应商，在BOPP的理论研究方面取得了重大突破，从聚丙烯分子结构设计和控制入手，解决了拉伸稳定性、热稳定性等关键技术问题，全面提高了中国石化BOPP专用料的产品质量，在薄膜生产时线速度可达到400米/分钟以上。

#### Overview

Sinopec is the largest BOPP resin supplier in China. The company has made a breakthrough in the theoretical research on BOPP. Starting with the design and control of the molecular structure of polypropylene, Sinopec has overcome a series of technical challenges such as tensile and thermal stability and significantly improved the quality of its BOPP resin. The linear velocity could exceed 400 meters per minute during film processing.

#### 产品用途

BOPP料主要应用于具有高挺度、高透明性能的内外层包装薄膜领域，也广泛用于生产印刷复合用平膜、消光膜、珠光膜、合成纸和烟膜等产品，通常用来制作商标印刷、印刷复合、食品饮料包装、香烟包装和胶粘带等。

#### Applications

BOPP is mainly used in the production of high-stiffness, high-transparence packaging film. It is also widely used in the production of printing and laminated film, Matt film, pearlized film, synthetic paper, cigarette film, etc.

#### 产品包装及贮运要求

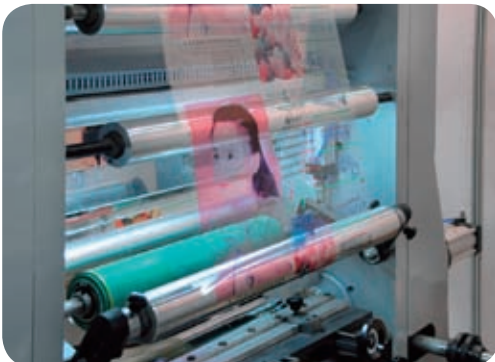
产品采用聚丙烯内涂膜编织袋、FFS薄膜袋或集装袋包装，净重25Kg/袋或700Kg /袋。

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, FFS bags or container bags and the net weight is 25Kg/bag or 700Kg/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		T36F	F280	F280T	F280S	F280SO
熔体流动速率 MFR	g/10min	2.8	2.8	3.0	2.8	2.9
拉伸屈服强度 Tensile Strength at yield	MPa	28	31	29	30	30
悬臂梁缺口 冲击强度 Notched Izod impact Strength	(23°C, J/m)	—	25.5	25	28	30
等规指数 Isotactic Index	%	94	94.5	97	94.5	95.5
灰分 Ash	%	0.02	0.03	0.025	0.03	0.03
主要用途 Applications		BOPP	BOPP	烟膜 Cigarette Film	高速BOPP High-speed BOPP	超高速BOPP Super-high-speed BOPP
产品认证 Certifications		—	FDA	FDA	食品卫生/FDA	食品卫生/FDA
生产企业 Manufacturers		齐鲁、济南、海南、 武汉、荆门 Qilu, Ji'nan, Hainan, Wuhan, Jingmen	上海 Shanghai	上海 Shanghai	上海 Shanghai	上海 Shanghai

产品牌号 Grades		F280M	F280Z	F280Q	F1002B
熔体流动速率 MFR	g/10min	2.8	2.8	2.8	2.8
拉伸屈服强度 Tensile Strength at yield	MPa	31	33	33	30
悬臂梁缺口 冲击强度 Notched Izod impact Strength	(23°C, J/m)	33	30	30	—
等规指数 Isotactic Index	%	98	97	97	95
灰分 Ash	%	0.02	0.02	0.02	0.03
主要用途 Applications		高速高挺度BOPP High-speed and stiffness BOPP	高速BOPP High-speed BOPP	高速BOPP High-speed BOPP	高速超薄BOPP High-Speed and Super-Thin BOPP
产品认证 Certifications		FDA	—	—	食品卫生/ROHS
生产企业 Manufacturers		茂名 Maoming	镇海 Zhenhai	青岛 Qingdao	扬子 Yangzi