

薄膜料—取向拉伸料

Film Grade – Orientation Stretching Polypropylene (OPP)

产品简介

中国石化是国内取向拉伸聚丙烯(OPP)树脂的最大供应商, 在OPP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OPP专用料的产品质量, 在BOPP薄膜生产时线速度可达到400米/分钟以上。

Overview

Sinopec is the largest OPP resin supplier in China. The company has made a breakthrough in the theoretical research on OPP. 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 OPP resin. The BOPP linear velocity could exceed 400 meters per minute during film processing.

产品用途

OPP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

OPP is mainly used in the production of high-stiffness, high transparency 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

产品采用重包装袋(FFS)包装、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		F5006	F5606	K5806Y	K5809Y	F280T	F280SO	HP525J	PPH-F03D (T36F)	PPH-F03G (T38F)
熔体流动速率 MFR	g/10min	6.0	6.0	7.5	6.8	3	2.9	3.0	2.8	3.2
拉伸屈服强度 Tensile Strength at yield	MPa	20.8	19.7	20.1	21.0	29	30	33	28	28
悬臂梁缺口 冲击强度 Notched Izod impact Strength	(23°C, J/m)	—	—	—	—	25	30	—	—	—
等规指数 Isotactic Index	%	—	—	—	—	97	95.5	—	95	95
弯曲模量 Flexural Modulus	MPa	627	550	—	—					
起始热封温度 Origination Heat Seal temperature	°C	113	113	—	—					
灰分 Ash	%	—	—	—	—	0.025	0.03	—	0.03	0.03
主要用途 Applications		POF、BOPP 三元热封层、 烟膜 POF、BOPP Ternary Heat Seal Layer Cigarette Film	POF三元热封 层 POF Ternary Heat Seal Layer	—	—	烟膜 Cigarette Film	超高速BOPP Super-high- speed BOPP	BOPP	BOPP	BOPP
产品认证 Certifications		—	—	—	—	FDA	食品卫生/FDA	—	—	—
生产企业 Manufacturers		燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	上海 Shanghai	上海 Shanghai	中沙 SSTPC	海南、荆门、九 江、中原、湛江 Hainan, Jingmen, Jiujiang, Zhongyuan, Zhanjiang	武汉、广州、湖南长 盛、湛江、北海、海 南、洛阳 Wuhan, Guangzhou, Hunan Changsheng, Zhanjiang, Beihai, Hainan, Luoyang

产品牌号 Grades		F280M	PPH-F03D (F280Z)	PPH-F03DB	PPH-F03D (F280Q)	PPH-F03D (F1002B)	F300M	F300D	PPR-FT03-S	1104K
熔体流动速率MFR	g/10min	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.1	3.0
拉伸屈服强度 Tensile Strength at yield	MPa	31	33	30	33	30	30	30	—	28
悬臂梁缺口 冲击强度 Notched Izod impact Strength	(23°C, J/m)	33	30	—	30	—	40	—	—	—
等规指数 Isotactic Index	%	98	97	97	97	95	94	96	—	94.5
灰分 Ash	%	0.02	0.02	0.02	0.02	0.03	0.02	0.03	—	0.1
主要用途 Applications		高速高挺度BOPP High-speed and stiffness BOPP	高速BOPP High-speed BOPP	高性能BOPP High performance BOPP	高速BOPP High-speed BOPP	高速超薄BOPP High-Speed and Super-Thin BOPP	高速BOPP High-speed BOPP	高速BOPP High-speed BOPP	高速高挺度 BOPP High-speed and stiffness BOPP	高速BOPP High-speed BOPP
产品认证 Certifications		FDA/ROHS	食品卫生 FAD/ROHS	—	—	食品卫生/ROHS	FDA/ROHS	—	—	—
生产企业 Manufacturers		茂名 Maoming	镇海 Zhenhai	镇海 Zhenhai	青岛 Qingdao	扬子 Yangzi	茂名 Maoming	湛江 Zhanjiang	茂名 Maoming	福建联合 FREP

薄膜料—流延膜料

Film Grade – Casting Polypropylene (CPP)

产品简介

中国石化聚丙烯流延膜料 (CPP) 已形成系列化, 用于制造 CPP 薄膜的表层与内层, 薄膜具有透明度高、挺度好、热封温度低、耐热、防潮、阻隔性好、印刷和复合适应性强、表面光滑、耐蒸煮等特点, 薄膜成型厚度均匀性好, 各项性能均衡性优异。

Overview

Sinopec casting polypropylene (CPP) film materials, are used in the surface and internal layers of CPP film. CPP films produced using these resin are characterized by high transparency, good stiffness, low heat sealing temperature, heat and moisture resistance, good barrier properties, available for printing and recombination adaptability, smooth surface and good steam boiling resistance. The films produced by CPP are homogeneous in thickness and have highly balanced properties.

产品用途

聚丙烯流延膜料广泛用于生产复合薄膜的内层热封膜、真空镀铝用薄膜、高温蒸煮用薄膜、包装薄膜、消光膜和金属化膜等产品, 通常用来做服装、文具、食品、药品、化妆品、纺织品等的包装材料。



Applications

CPP is widely used in the production of inner heat-sealing films of laminated films, films for use in vacuum aluminum coating, films for use in high-temperature steam and boiling, packaging films, matt film and metallized films. It is also widely used as the packing for clothing, stationery, food, medicine, cosmetics, textiles, etc.

产品包装及贮运要求

产品采用重包装袋 (FFS) 包装、FFS 薄膜袋或集装袋包装, 净重 25 Kg /袋或 700 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, 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		F800E	F800E(DF)	FC801	FC801MX	CP800M	PPH-F06D	X37F	PPR- FT07-S
熔体流动速率 MFR	g/10min	8	8	8	8	8	6	7.8	7
拉伸屈服强度 Tensile Strength at yield	MPa	25	24.5	31	31	—	28	34	29
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23°C, J/m)	17.6	17.6	25.5	32	—	—	—	—
弯曲模量 Flexural Modulus	MPa	820	820	1300	1300	1520	—	1100	1100
灰分 Ash	%	0.03	0.03	0.03	0.02	0.3	—	0.02	0.03
主要用途 Applications		二元热封层 Binary Heat Seal Layer	镀铝热封层 Aluminized Heat Seal Layer	CPP	镀铝CPP Aluminized CPP	镀铝CPP Aluminized CPP	镀铝CPP Aluminized CPP	二元热封层 Binary Heat Seal Layer	镀铝CPP Aluminized CPP
产品认证 Certifications		食品卫生/ FDA	FDA	FDA	食品卫生/ FDA	食品卫生 ROHS/FDA/ PAHS	—	—	—
生产企业 Manufacturers		上海 Shanghai	上海 Shanghai	上海 Shanghai	上海 Shanghai	茂名 Maoming	洛阳 luoyang	海南 hainan	茂名 Maoming

产品牌号 Grades		F500EPS	F800EPS	C5608	C5908	HP510M	FH08-S	F08
熔体流动速率 MFR	g/10min	5	8	8	8	9	8	9
拉伸屈服强度 Tensile Strength at yield	MPa	实测	实测	21.7	20.1	34	32	30
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23°C, J/m)	—	—	—	—	—	—	—
弯曲模量 Flexural Modulus	%	—	—	690	570	1500	—	—
雾度 Haze	%≤	2.2	2.2	1.0	0.8	—	—	—
起始热封温度 Origination Heat Seal temperature	°C	—	—	113	113	—	—	—
灰分 Ash	%	—	—	—	—	—	0.02	0.03
主要用途 Applications		三元热封层 Ternary Heat Seal Layer	三元热封层 Ternary Heat Seal Layer	流延膜复合膜热 封层 CPP Heat Seal Layer	流延膜镀铝膜热 封层 Aluminized CPP Heat Seal Layer	流延膜 CPP	流延膜 CPP	流延膜 CPP
产品认证 Certifications		—	—	—	—	—	—	—
生产企业 Manufacturers		上海 Shanghai	上海 Shanghai	燕山 Yanshan	燕山 Yanshan	中沙 SSTPC	青岛 Qingdao	荆门 Jingmen