

聚丙烯 PPH-MM70/MM70X

产品介绍

聚丙烯为无毒、无臭、无味的乳白色高结晶的聚合物，熔点 164~170℃，密度 0.90-0.91g/cm³，分子量约 8~15 万是目前所有塑料中最轻的品种之一。它对水特别稳定，在水中 24 小时的吸水率仅为 0.01%。

生产工艺

中国石化公司 ST 第二代环管法聚丙烯成套工艺技术，采用串联双环管反应器生产均聚和无规共聚物产品，与气相反应器串联生产抗冲共聚产品，可生产注射、挤压、薄膜、纤维，BOPP 薄膜及流延膜等共 50 个牌号。

主要应用

主要应用于薄壁注塑加工，可加工成快餐盒、包装盒、整理箱、杯子、食品容器以及汽车材料改性等制品。

包装、仓储与运输

STPP 包装生产线采用全自动包装机组，共 2 条包装线，包括 1 条 25Kg 小袋包装生产线和 1 条 700kg 包装生产线，可以满足不同客户对包装袋的要求。

与 JPP 装置共用约 10000m² 的包装库房。提供汽运和船运两种运输方式。

质量指标

项目	单位	指标		检测方法
		PPH-MM70	PPH-MM70X	
熔体质量流动速率 (MFR)	标准值	g/10min	70	GB/T 3682.1-2018
	偏差值	g/10min	±5	
拉伸屈服应力 (σ)	Mpa		≥ 35.0	GB/T 1040.2-2006
弯曲模量(Ef)	Mpa		≥ 1500	GB/T 9341-2008
简支梁缺口冲击强度 (23°C)	KJ/m ²		≥ 1.8	GB/T 1043.1-2008
负荷热变形温度(Tf0.45)	°C		≥ 90	GB/T 1634.2-2019
认证情况	-	-	FDA/ROHS/PAHS/SVHC/加州65	

Polypropylene PPH-MM70/MM70X

Product Introduction

Polypropylene is a non-toxic, odorless, and tasteless milky white high crystalline polymer with a melting point of 164~170° C, a density of 0.90-0.91g/ cm³, and a molecular weight of about 80,000 to 150,000. It is one of the lightest of all plastic varieties at present. It is particularly stable to water, and its water absorption rate in water for 24 hours is only 0.01%.

Production Process

Sinopec ST second-generation loop polypropylene complete process technology, using a series of double-loop reactors to produce homopolymer and random copolymer products, connecting in series with gas-phase reactors to produce impact copolymer products, can produce a total of 50 grades, such as injection , extrusion, film, fiber, BOPP film and cast film etc.

Main Application

It is mainly used in thin-wall injection molding processing, and can be processed into products, such as fast food boxes, packaging boxes, finishing boxes, cups, food containers and modified material of automobile.

Packaging, Storage and Transportation

STPP packaging production line adopts fully automatic packaging unit, with a total of two packaging lines, including one 25kg packaging production line and one 700 kg packaging production line, which can meet the requirements of different customers for packaging bags.

It shares about 10000m² packaging warehouse with JPP plant. Two modes of transportation are provided: automobile transportation and ship transportation.

Quality Index

Item	Unit	Index		Test method
		PPH-MM70	PPH-MM70X	
Melt mass flow rate (MFR)	Standard value	g/10min	70	GB/T 3682.1-2018
	Deviation value	g/10min	±5	
Tensile yield stress (σ_y)	Mpa		≥35.0	GB/T 1040.2-2006
Flexural modulus (Ef)	Mpa		≥1500	GB/T 9341-2008
Charpy Notched Impact Strength (23°C)	KJ/m ²		≥1.8	GB/T 1043.1-2008
Heat deflection temperature under load (Tf0.45)	°C		≥90	GB/T 1634.2-2019
Certification situation	-	-	FDA/ROHS/PAHS/SVHC/CP65	