

# 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/ cm<sup>3</sup>, 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 10000m<sup>2</sup> 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 (σy)		Mpa	≥35.0		GB/T 1040.2-2006
Flexural modulus (Ef)		Mpa	≥1500		GB/T 9341-2008
Charpy Notched Impact Strength (23℃)		KJ/m²	≥1.8		GB/T 1043.1-2008
Heat deflection temperature under load (Tf0.45)		℃	≥90		GB/T 1634.2-2019
Certification situation	—	—	FDA/ROHS/PAHS/SVHC/CP65		