

TECHNICAL DATA SHEET

POLYPROPYLENE

PPH-MH20



Manufacturer:

ZHONGKE (GUANGDONG) REFINERY & PETROCHEMICAL COMPANY LIMITED

No. 1, Zhongke Avenue, Zhanjiang Economic and Technological Development Zone, Zhanjiang City, Guangdong Province

Typical Application

Sinopec PP homopolymer has higher crystallinity, high rigidity, high tensile strength, high modulus and good thermal distortion resistance. Products made from this resin are characterized by short processing time, good scratching resistance and fluidity. PP homopolymer is widely used in the production of small electrical household appliances, such as electric kettles, electric utensils, electric irons, air heaters, electric hair dryers, electric toasters and electric hand dryers.

Package, Storage and Transportation

The resin is packaged in 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 resin 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.

Typical Data

Test Item	Test Method	Spec.	Typical Values (No warranty)	Unit
Black pellet	SH/T 1541.1	0	0	pcs/kg
Colored pellet	SH/T 1541.1	≤5	0	pcs/kg
Large and small pellet	SH/T 1541.1	≤100	0.03	g/kg
MFR	GB/T 3682.1	18.0-22.0	22.0	g/10min
Isotactic index	GB/T 2412	Field Measured	97.4	%
Ash	GB/T 9345.1	Field Measured	0.028	%
Tensile Strength at yield	GB/T 1040.2	Field Measured	40.1	MPa
Flexural Modulus	GB/T 9341	Field Measured	2296	MPa
Charpy notched impact strength (acA), 23° C	GB/T 1043.1	Field Measured	2.1	KJ/m ²
Temperature of deflection under load (Tf0.45)	GB/T 1634.2	Field Measured	127	° C