

Total PPH 10012 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPH 10012 is a nucleated and antistatic homopolymer polypropylene obtained by controlled rheology. Application PPH 10012 is intended for high speed injection molding of household articles, lightweight dairy tubs and goblets and ice cream boxes. Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-10012-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Density	0.905 g/cc	0.0327 lb/in ³	ISO 1183
Melt Flow	42 g/10 min @Load 2.16 kg, Temperature 230 °C	42 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ISO 2039-2
Tensile Strength, Yield	34.0 MPa	4930 psi	ISO 527-2
Elongation at Yield	9.0 %	9.0 %	ISO 527-2
Tensile Modulus	1.60 GPa	232 ksi	ISO 527-2
Flexural Modulus	1.50 GPa	218 ksi	ISO 527-2
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ISO 179
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	120°C per hour; ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	120°C per hour; ISO 75-2
Vicat Softening Point	87.0 °C	189 °F	50N-50°C per hour; ISO 306
	152 °C	306 °F	10N-50°C per hour; ISO 306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China