

Total PPH 10060 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPH 10060 homopolymer. PPH 10060 is characterized by high fluidity and is particularly suitable for injection molding applications. The material provides a good balance between stiffness and impact. Information 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-10060-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	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ISO 2039-2
Tensile Strength, Yield	32.0 MPa	4640 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)	2.50 kJ/m ²	1.19 ft-lb/in ²	ISO 179
Charpy Impact, Notched	0.300 J/cm ²	1.43 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)	100 °C	212 °F	120°C per hour; ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	120°C per hour; ISO 75-2
Vicat Softening Point	89.0 °C	192 °F	50N-50°C per hour; ISO 306
	153 °C	307 °F	10N-50°C per hour; ISO 306

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