

Total PPH 9040 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPH 9040 is a nucleated homopolymer. PPH 9040 is characterized by an improved rigidity and high clarity .Application ATOFINA Polypropylene PPH 9040 is suitable for the injection molding of packaging containers, toys, domestic appliances, garden furniture, and caps and closures. 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-9040-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	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ISO 2039-2
Tensile Strength, Yield	36.0 MPa	5220 psi	ISO 527-2
Elongation at Yield	8.0 %	8.0 %	ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-2
Flexural Modulus	1.90 GPa	276 ksi	ISO 527-2
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	ISO 179
Charpy Impact, Notched	0.450 J/cm ²	2.14 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)	110 °C	230 °F	120°C per hour; ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	120°C per hour; ISO 75-2
Vicat Softening Point	97.0 °C	207 °F	50N-50°C per hour; ISO 306
	153 °C	307 °F	10N-50°C per hour; ISO 306

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