Total PPH 9099 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPH 9099 is a very narrow molecular weight distribution homopolymer polypropylene, with anti gas-fading stabilization. ApplicationATOFINA Polypropylene PPH 9099 is intended for the extrusion of fine fibers with the spunbond technology.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-9099-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Bulk Density	0.525 g/cc	0.0190 lb/in³	ISO 1183
Density	0.905 g/cc	0.0327 lb/in³	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	92	92	ISO 2039-2
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	ISO 527-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 527-2
Izod Impact, Notched (ISO)	3.50 kJ/m²	1.67 ft-lb/in²	ISO 179
Charpy Impact, Notched	0.400 J/cm²	1.90 ft-lb/in²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	120°C per hour; ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C per hour; ISO 75-2
Vicat Softening Point	80.0 °C	176 °F	50N-50°C per hour; ISO 306
	148 °C	298 °F	10N-50°C per hour; ISO 306

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