

Total PPH 7089 Polypropylene Homopolymer, Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Polypropylene PPH 7089 is a narrow molecular weight distribution homopolymer polypropylene, with anti-gas fading stabilization. Polypropylene PPH 7089 is intended for the extrusion of fibers with the spunbond technology. It is also suitable for extrusion of continuous filaments (CF). Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-7089-Polypropylene-Homopolymer-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 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	11 %	11 %	ISO 527-2
Tensile Modulus	1.35 GPa	196 ksi	ISO 527-2
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	ISO 180
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)	95.0 °C	203 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C per hour; ISO 752
Vicat Softening Point	78.0 °C @Load 5.10 kg	172 °F @Load 11.2 lb	50°C per hour; ISO 306
	147 °C	297 °F	50°C per hour; ISO 306

Thermal Properties

Metric
@Load 1.02 kg

English
@Load 2.25 lb

Comments

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