

## Total PPH 7069 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

ATOFINA Polypropylene PPH 7069 is homopolymer. Application ATOFINA Polypropylene PPH 7069 is characterized by medium fluidity for extrusion of continuous filament (CF) and bulk continuous filament (BCF) fibers and staple fibers for carpets. 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-7069-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Total-PPH-7069-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.525 g/cc	0.0190 lb/in <sup>3</sup>	ISO 1183
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	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	95	95	ISO 2039-2
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.55 GPa	225 ksi	ISO 527-2
Flexural Modulus	1.45 GPa	210 ksi	ISO 527-2
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	0.450 J/cm <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	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	87.0 °C	189 °F	50N-50°C per hour; ISO 306
	152 °C	306 °F	10N-50°C per hour; ISO 306

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