

Total PPC 9642 Polypropylene, Heterophasic Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Propylene 9642 is nucleated heterophasic copolymer. PPC 9642 is characterized by improved stiffness, creep resistance, high impact resistance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-9642-Polypropylene-Heterophasic-Copolymer.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	87	87	ISO 2039-2
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527-2
Elongation at Yield	5.5 %	5.5 %	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)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 179
	5.00 kJ/m ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	ISO 179
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	ISO 179
	0.900 J/cm ² @Temperature -20.0 °C	4.28 ft-lb/in ² @Temperature -4.00 °F	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)	53.0 °C	127 °F	120°C per hour; ISO 75-2

Thermal Properties	Metric	English	Comments
	145 °C	293 °F	10N-50°C per hour; ISO 306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China