

Total PPC 4640 Polypropylene, Heterophasic Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPC 4640 is a nucleated copolymer. PPC 4640 is characterized by good stiffness and impact resistance coupled with high creep resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-4640-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	3.5 g/10 min @Load 2.16 kg, Temperature 230 °C	3.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ISO 2039-2
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	ISO 527-2
Tensile Modulus	1.25 GPa	181 ksi	ISO 527-2
Flexural Modulus	1.35 GPa	196 ksi	ISO 527-2
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	ISO 179
	6.00 kJ/m ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	ISO 179
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	ISO 179
	0.700 J/cm ² @Temperature -20.0 °C	3.33 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
	140 °C	284 °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