

Total PPC 3660 Polypropylene, Heterophasic Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPC 3660 is an heterophasic copolymer. PPC 3660 is characterized by a low fluidity hence good melt strength to provide ease of processing and good manufactured article properties. Application PPC 3660 is suitable particularly for the extrusion of corrugated cardboard, profiles and for extrusion-thermoforming applications where high impact resistance is required. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-3660-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	1.3 g/10 min @Load 2.16 kg, Temperature 230 °C	1.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	77	77	ISO 2039-2
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2
Elongation at Yield	11 %	11 %	ISO 527-2
Tensile Modulus	1.05 GPa	152 ksi	ISO 527-2
Flexural Modulus	1.15 GPa	167 ksi	ISO 527-2
Izod Impact, Notched (ISO)	NB	NB	ISO 179
	7.00 kJ/m ² @Temperature -20.0 °C	3.33 ft-lb/in ² @Temperature -4.00 °F	ISO 179
Charpy Impact, Notched	NB	NB	ISO 179
	0.800 J/cm ² @Temperature -20.0 °C	3.81 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)	92.0 °C	198 °F	120°C per hour; ISO 75-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	120 °C per hour; ISO 75-2
Vicat Softening Point	60.0 °C	140 °F	50N-50°C per hour; ISO 306
	130 °C	266 °F	10N-50°C per hour; ISO 306

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