

Total PPC 8780 Polypropylene, Heterophasic Copolymer, Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Polypropylene PPC 8780 is a controlled rheology heterophasic copolymer with a Melt Flow index of 18 g/10 min. Polypropylene PPC 8780 has been specially developed for the injection molding of lids combining flexibility and low warpage. Polypropylene PPC 8780 is also suitable for extrusion coating. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-8780-Polypropylene-Heterophasic-Copolymer-Injection-Molding.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	18 g/10 min @Load 2.16 kg, Temperature 230 °C	18 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ISO 2039-2
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-2
Elongation at Yield	5.5 %	5.5 %	ISO 527-2
Tensile Modulus	1.05 GPa	152 ksi	ISO 527-2
Flexural Modulus	0.950 GPa	138 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ² @Temperature -20.0 °C	2.62 ft-lb/in ² @Temperature -4.00 °F	ISO 180
	11.0 kJ/m ² @Temperature 23.0 °C	5.23 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Charpy Impact, Notched	1.40 J/cm ² @Temperature 23.0 °C	6.66 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	1.60 J/cm ² @Temperature -20.0 °C	7.61 ft-lb/in ² @Temperature -4.00 °F	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (67 psi)	50.0 °C	122 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	120°C per hour; ISO 752
Vicat Softening Point	65.0 °C @Load 5.10 kg	149 °F @Load 11.2 lb	50°C per hour; ISO 306
	135 °C @Load 1.02 kg	275 °F @Load 2.25 lb	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