

Total PPC 9612 Polypropylene, Heterophasic Copolymer, Injection Molding

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

Material Notes:

This product is a Total Ecosolutions grade. Polypropylene PPC 9612 has been developed specifically for the injection molding of crates and is characterized by a high Melt Flow index of 20 g/10 min. It allows an optimization of the injection parameters as for example a reduction of cycle time, while keeping the key properties for crates, namely rigidity, impact (at cold temperature) and long term creep resistance. Other injection molding applications like pails, food packaging and lids could benefit from this outstanding combination of properties. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-9612-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	20 g/10 min	20 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ISO 2039-2
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2
Elongation at Yield	5.0 %	5.0 %	ISO 527-2
Tensile Modulus	1.25 GPa	181 ksi	ISO 527-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 ft-lb/in ²	ISO 180
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	120°C per hour; ISO 752

Thermal Properties	Metric	English	Comments
Vicat Softening Point	@Load 5.10 kg	@Load 11.2 lb	50°C per hour; ISO 306
	140 °C	284 °F	50°C per hour; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

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