

Total PPC 3150 MX5 Polypropylene, Heterophasic Copolymer, Automotive

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

Material Notes:

Polypropylene PPC 3150 MX5 is a high crystallinity and high impact polypropylene (HCPP) copolymer with a Melt Flow index of 15 g/10 min. The material is UV stabilized. Polypropylene PPC 3150 MX5 is particularly suitable for the injection molding of automotive interior trims, door panels and instrument panels, using direct coloration with color masterbatches. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-3150-MX5-Polypropylene-Heterophasic-Copolymer-Automotive.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
Linear Mold Shrinkage	0.014 - 0.016 cm/cm @Thickness 3.00 mm	0.014 - 0.016 in/in @Thickness 0.118 in	
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ISO 868
Tensile Strength, Yield	29.0 MPa	4210 psi	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	ISO 527-2
Tensile Modulus	1.50 GPa	218 ksi	ISO 527
	1.74 GPa	252 ksi	after conditioning; ISO 527
Flexural Modulus	0.410 GPa @Temperature 90.0 °C	59.5 ksi @Temperature 194 °F	ISO 178
	1.40 GPa @Temperature 23.0 °C	203 ksi @Temperature 73.4 °F	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
	9.00 kJ/m ² @Temperature 23.0 °C	4.28 ft-lb/in ² @Temperature 73.4 °F	ISO 180
	NB	NB	

Charpy Impact Unnotched Mechanical Properties	Metric @ Temperature -35.0 °C	English @ Temperature -31.0 °F	ISO 179-1eJ Comments
Charpy Impact, Notched	0.320 J/cm ²	1.52 ft-lb/in ²	ISO 179-1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179-1eA
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179-1eA
	@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)	100 °C	212 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	120°C per hour; ISO 752
Vicat Softening Point	75.0 °C	167 °F	50°C per hour; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	145 °C	293 °F	50°C per hour; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Descriptive Properties	Value	Comments
C-emission	22 µgC/g	VDA 277, VW 50180 - PV3015
Fogging	0.4 mg	DIN 75201-B, VW 50180 - PV3015
Odor	3	Scale 1 - 6, VDA 270, PV3200

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