

ExxonMobil PP7043L1 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Product Description: An impact copolymer resin characterized by medium flow. It is suitable for molding applications like consumer products, containers and rigid packaging applications. **Availability:** Africa & Middle East and Europe **Features:** Medium Flow **Uses:** Battery Cases **Construction Applications:** Containers **Industrial Applications:** Rigid Packaging **Tool/Tote Box Processing Method:** Injection Molding and Compounding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7043L1-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2/50
Elongation at Yield	5.0 %	5.0 %	ISO 527-2/50
Tensile Modulus	1.25 GPa	181 ksi	Secant; ISO 527-2/1
Flexural Modulus	1.05 GPa	152 ksi	Secant; ISO 178
Izod Impact, Notched (ISO)	10.1 kJ/m ²	4.80 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.504 J/cm ² @Temperature -20.0 °C	2.40 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	0.756 J/cm ² @Temperature 0.000 °C	3.60 ft-lb/in ² @Temperature 32.0 °F	ISO 179/1eA
	1.24 J/cm ² @Temperature 22.8 °C	5.90 ft-lb/in ² @Temperature 73.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	322 °C	612 °F	ISO 3146
Crystallization Temperature	235 °C	455 °F	ISO 3146

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (100 psi)	80.0 °C	176 °F	ISO 75-2/A
Deflection Temperature at 1.8 MPa (264 psi)	48.9 °C	120 °F	ISO 75-2/A
Vicat Softening Point	146 °C	295 °F	ISO 306/A50

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