

ExxonMobil PP8013L1 Polypropylene Impact Copolymer

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

Material Notes:

Product Description: A nucleated impact copolymer resin with very high impact strength at low temperature. It is suitable for molding applications like containers and tubs, other rigid packaging, tools and boxes. It is also suitable as compound base stock applications. **Availability:** Africa & Middle East and Europe **Features:** Ductile Medium Flow Nucleated Ultra High Impact Resistance **Uses:** Compounding Construction Applications Industrial Applications Rigid Packaging **Processing Method:** Injection Molding and Compounding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP8013L1-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	8.0 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, Shore D	58	58	ISO 868
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	0.951 GPa	138 ksi	ISO 527-2/1
Flexural Modulus	0.903 GPa	131 ksi	ISO 178
Izod Impact, Notched (ISO)	50.4 kJ/m ²	24.0 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	1.01 J/cm ²	4.80 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.41 J/cm ²	6.70 ft-lb/in ²	ISO 179/1eA
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	4.41 J/cm ²	21.0 ft-lb/in ²	ISO 179/1eA
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	325 °C	617 °F	ISO 3146
Crystallization Temperature			ISO 3146

Thermal Properties	256 °C Metric	493 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	46.1 °C	115 °F	ISO 75-2/A
Vicat Softening Point	140 °C	284 °F	ISO 306/A50

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