

ExxonMobil PP7033L1 Polypropylene Impact Copolymer

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

Material Notes:

Product Description: An impact copolymer resin characterized with low flow. It is suitable for extrusion applications like sheet and thermoforming. It is also suitable for molding applications like boxes, buckets, containers and crates and other consumer and industrial applications. **Availability:** Africa & Middle East and Europe **Features:** Low Flow **Uses:** Consumer Applications Containers Industrial Applications **Tool/Tote Box Processing Method:** Injection Molding, Sheet Extrusion and Thermoforming **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7033L1-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-2/50
Elongation at Yield	9.0 %	9.0 %	ISO 527-2/50
Tensile Modulus	1.10 GPa	160 ksi	ISO527-2/1
Flexural Modulus	1.00 GPa	145 ksi	Secant; ISO 178
Izod Impact, Notched (ISO)	7.56 kJ/m ²	3.60 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.399 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	0.504 J/cm ² @Temperature 0.000 °C	2.40 ft-lb/in ² @Temperature 32.0 °F	ISO 179/1eA
	1.05 J/cm ² @Temperature 22.8 °C	5.00 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 (67 psi)	76.1 °C	169 °F	ISO 75-2/A
Deflection Temperature at 1.8 MPa (264 psi)	47.2 °C	117 °F	ISO 75-2/A
Vicat Softening Point	146 °C	295 °F	ISO 306/A50

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