

ExxonMobil PP7054L1 Polypropylene Impact Copolymer

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

Material Notes:

Product Description: A nucleated impact copolymer resin with medium flow. It is suitable for molding applications like consumer products, closures, containers, toys and rigid packaging applications. **Availability:** Africa & Middle East and Europe **Features:** Good Flow Nucleated

Uses: Battery Cases Construction Applications Containers Crates Industrial Applications Pails Rigid Packaging Tool/Tote Box Toys Processing

Method: Injection Molding and Compounding Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7054L1-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 °C	17 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	1.25 GPa	181 ksi	Secant; ISO 527-2/1
Flexural Modulus	1.10 GPa	160 ksi	ISO 178
Izod Impact, Notched (ISO)	7.98 kJ/m ²	3.80 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
	0.693 J/cm ² @Temperature 0.000 °C	3.30 ft-lb/in ² @Temperature 32.0 °F	ISO 179/1eA
	1.09 J/cm ² @Temperature 22.8 °C	5.20 ft-lb/in ² @Temperature 73.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	324 °C	615 °F	ISO 3146
Crystallization Temperature	252 °C	486 °F	ISO 3146

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (100 psi)	87.8 °C	190 °F	ISO 75-2/A
Deflection Temperature at 1.8 MPa (264 psi)	51.1 °C	124 °F	ISO 75-2/A
Vicat Softening Point	146 °C	295 °F	ISO 306/A50

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