

ExxonMobil PP7085E1 Polypropylene Impact Copolymer

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

Material Notes:

Product Description: A nucleated impact copolymer resin with high flow, excellent stiffness/toughness balance and antistatic properties for good molding behavior. It is suitable for molding applications like disposable houseware, consumer products, containers and rigid packaging applications.
Availability: Africa & Middle East and Europe
Features: Antistatic Controlled Rheology High Flow Nucleated
Uses: Containers Industrial Applications Pails 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-PP7085E1-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	75 g/10 min @Load 2.16 kg, Temperature 230 °C	75 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 868
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-2/50
Elongation at Yield	5.0 %	5.0 %	ISO 527-2/50
Tensile Modulus	1.15 GPa	167 ksi	ISO 527-2/1
Flexural Modulus	1.12 GPa	163 ksi	ISO 178
Izod Impact, Notched (ISO)	5.46 kJ/m ²	2.60 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
	0.756 J/cm ² @Temperature 22.8 °C	3.60 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			ISO 3146

Thermal Properties	253 °C Metric	487 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-2/A
Vicat Softening Point	147 °C	297 °F	ISO 306/A50

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