

ExxonMobil™ PP7075L1

Polypropylene Impact Copolymer

Product Description

A nucleated impact copolymer resin with high flow and antistatic properties. It is suitable for molding applications like disposable houseware, consumer products, toys and rigid packaging applications.

General

Features	- Antistatic - Controlled Rheology - High Flow - Nucleated
Uses	- Consumer Applications - Industrial Applications - Rigid Packaging - Sporting Goods - Tool/Tote Box - Toys
Appearance	Natural Color
Form(s)	Pellets
Processing Method	Injection Molding

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	53 g/10 min	53 g/10 min	ISO 1133
Density	0.9 g/cm ³	0.9 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3150 psi	21.7 MPa	ISO 527-2/50
Tensile Strain at Yield	4.1 %	4.1 %	ISO 527-2/50
Tensile Modulus - Secant	170000 psi	1170 MPa	ISO 527-2/1
Flexural Modulus	152000 psi	1050 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	3.4 ft-lb/in ²	7.2 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength			ISO 179/1eA
-4°F (-20°C)	2.0 ft-lb/in ²	4.1 kJ/m ²	
32°F (0°C)	2.6 ft-lb/in ²	5.4 kJ/m ²	
73°F (23°C)	4.1 ft-lb/in ²	8.6 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Melting Temperature (DSC)	324 °F	162 °C	ISO 3146
Peak Crystallization Temperature (DSC)	253 °F	123 °C	ISO 3146
Heat Deflection Temperature (1.80 MPa)	119 °F	48.5 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	181 °F	82.6 °C	ISO 75-2/B
Vicat Softening Temperature	293 °F	145 °C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (Shore D)	60	60	ISO 868

