

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

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.