

ExxonMobil™ PP7064L1

Polypropylene Impact Copolymer

Product Description

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

General

Features	- Antistatic - Good Flow	- High Stiffness - Highly Crystalline	Nucleated
Uses	- Construction Applications - Crates	- Industrial Applications - Pails	Tool/Tote Box
Appearance	Natural Color		
Form(s)	Pellets		
Processing Method	Compounding	Injection Molding	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17 g/10 min	17 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	3640 psi	25.1 MPa	ISO 527-2/50
Tensile Strain at Yield	3.8 %	3.8 %	ISO 527-2/50
Tensile Modulus - Secant	232000 psi	1600 MPa	ISO 527-2/1
Flexural Modulus	212000 psi	1460 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	3.9 ft-lb/in ²	8.1 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength			ISO 179/1eA
-4°F (-20°C)	2.1 ft-lb/in ²	4.5 kJ/m ²	
32°F (0°C)	2.8 ft-lb/in ²	5.8 kJ/m ²	
73°F (23°C)	4.4 ft-lb/in ²	9.3 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)	261 °F	127 °C	ISO 3146
Heat Deflection Temperature (1.80 MPa)	128 °F	53.5 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	214 °F	101 °C	ISO 75-2/B
Vicat Softening Temperature	298 °F	148 °C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (Shore D)	64	64	ISO 868

Legal Statement

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

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