

ExxonMobil™ PP7043L1

Polypropylene Impact Copolymer

Product Description

An impact copolymer resin characterized by medium flow. It is also suitable for molding applications like consumer products, containers and rigid packaging applications.

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Features	▪ Medium Flow	
Uses	▪ Battery Cases ▪ Construction Applications	▪ Containers ▪ Industrial Applications ▪ Rigid Packaging ▪ Tool/Tote Box
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Compounding	▪ Injection Molding
Revision Date	▪ 02/12/2015	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8 g/10 min	7.8 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	3520 psi	24.3 MPa	ISO 527-2/50
Tensile Strain at Yield	5.2 %	5.2 %	ISO 527-2/50
Tensile Modulus - Secant	174000 psi	1200 MPa	ISO 527-2/1
Flexural Modulus - Secant	162000 psi	1120 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	4.8 ft-lb/in ²	10 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength			ISO 179/1eA
-4°F (-20°C)	2.3 ft-lb/in ²	4.8 kJ/m ²	
32°F (0°C)	3.2 ft-lb/in ²	6.7 kJ/m ²	
73°F (23°C)	5.7 ft-lb/in ²	12 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	121 °F	49.6 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	173 °F	78.3 °C	ISO 75-2/B
Vicat Softening Temperature	297 °F	147 °C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (Shore D)	61	61	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).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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