

Product Datasheet



ExxonMobil™ PP8024L1

Polypropylene Impact Copolymer

Product Description

An Impact Copolymer resin with very high impact strength at low temperature. It is suitable for molding applications like containers and tubs, other rigid packaging, tools and boxes. It is also suitable for compounding base stock applications.

General

Availability ¹	▪ Africa & Middle East	▪ Europe	
Features	▪ Ductile	▪ Good Flow	▪ Good Processability
Uses	▪ Construction Applications	▪ Industrial Applications	▪ Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 02/08/2022		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16 g/10 min	16 g/10 min	ISO 1133
Density	0.893 g/cm ³	0.893 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2470 psi	17.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.9 %	4.9 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	129000 psi	890 MPa	ISO 527-1
Flexural Modulus	126000 psi	870 MPa	ISO 178
Flexural Stress	3230 psi	22.3 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength			ISO 180
-4°F (-20°C), Complete Break	4.0 ft-lb/in ²	8.5 kJ/m ²	
73°F (23°C), Complete Break	25 ft-lb/in ²	53 kJ/m ²	
Charpy Notched Impact Strength			ISO 179
-4°F (-20°C), Complete Break	4.6 ft-lb/in ²	9.6 kJ/m ²	
32°F (0°C), Complete Break	6.2 ft-lb/in ²	13 kJ/m ²	
73°F (23°C), Partial Break	17 ft-lb/in ²	36 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	113 °F	45.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	156 °F	69.0 °C	ISO 75-2/B

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.

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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