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

Availability [1]	▪ Africa & Middle East	▪ Europe	
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		
Revision Date	▪ 01/01/2018		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	54	g/10 min	54	g/10 min	ISO 1133
Density	0.900	g/cm³	0.900	g/cm³	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 Stress at Break (73°F (23°C))	2730	psi	18.8	MPa	ISO 527-2/50
Tensile Strain at Yield	4.4	%	4.4	%	ISO 527-2/50
Tensile Strain at Break (73°F (23°C))	37	%	37	%	ISO 527-2
Tensile Modulus	190000	psi	1310	MPa	ISO 527-2/1
Flexural Modulus	181000	psi	1250	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength (73°F (23°C))	3.1	ft·lb/in²	6.5	kJ/m²	ISO 180/1A
Charpy Notched Impact Strength					ISO 179/1eA
-4°F (-20°C)	1.9	ft·lb/in²	3.9	kJ/m²	
32°F (0°C)	2.4	ft·lb/in²	5.1	kJ/m²	
73°F (23°C)	3.5	ft·lb/in²	7.4	kJ/m²	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	123	°F	50.8	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	184	°F	84.5	°C	ISO 75-2/B
Vicat Softening Temperature	300	°F	149	°C	ISO 306/A50

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