

Product Datasheet

ExxonMobil™ PP8255E1

Polypropylene Impact Copolymer



Product Description

A high crystallinity, medium impact copolymer resin designed for compounded and injection molded applications requiring high melt flow rate and excellent processing attributes.

General

Availability ¹	▪ North America		
Features	▪ Balanced Stiffness/Toughness	▪ Good Processability	▪ Medium Molecular Weight
	▪ Good Impact Resistance	▪ Heat Aging Resistant	▪ Nucleated
Uses	▪ Appliances	▪ Automotive Applications	▪ Compounding
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 10/01/2010		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30 g/10 min	30 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	3040 psi	21.0 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	3.9 %	3.9 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	173000 psi	1190 MPa	ASTM D790A
0.51 in/min (13 mm/min)	198000 psi	1370 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	3.6 ft-lb/in	190 J/m	ASTM D256A
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	245 in-lb	27.7 J	ASTM D5420

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	205 °F	95.9 °C	ASTM D648

Legal Statement

This product is not intended for use in food contact application.

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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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