Product Datasheet

ExxonMobil Signature Polymers

Exceed™ PP8244E1

Polypropylene Impact Copolymer

Product Description

A high crystallinity, high impact copolymer resin designed for injection molded applications requiring excellent processing attributes.

General

Availability [1]	▪ Latin America	▪ North America	
Features	▪ Balanced Stiffness/Toughness ▪ Good Impact Resistance	▪ Good Processability ▪ Heat Aging Resistant	▪ Medium Molecular Weight ▪ Nucleated
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 04/01/2011		

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	0.900	g/cm³	0.900	g/cm³	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	2780	psi	19.2	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	7.0	%	7.0	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	136000	psi	938	MPa	ASTM D790A
0.51 in/min (13 mm/min)	156000	psi	1080	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Instrumented Dart Impact					ASTM D3763
-40°F (-40°C), 0.125 in (3.18 mm)	34.2	ft·lb	46.4	J	
-20°F (-29°C), 0.125 in (3.18 mm)	29.3	ft·lb	39.7	J	
Notched Izod Impact (73°F (23°C))	No Break		No Break		ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	189	°F	87.0	°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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene