Product Datasheet

ExxonMobil Signature Polymers

Exceed™ PP7815E1

Polypropylene Impact Copolymer

Product Description

A high crystallinity, low impact strength copolymer resin designed for compounding base or injection molding applications requiring high melt flow rate.

General

Availability [1]	▪ Latin America	▪ North America
Features	▪ High Stiffness ▪ Impact Modified	▪ Medium Flow ▪ Nucleated
Uses	▪ Automotive Applications	▪ Compounding
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Blow Molding	▪ Injection Molding
Revision Date	▪ 03/01/2010	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	35	g/10 min	ASTM D1238
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)	4990	psi	34.4	MPa	
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)	266000	psi	1830	MPa	ASTM D790A
0.51 in/min (13 mm/min)	300000	psi	2070	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	1.3	ft·lb/in	67	J/m	ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
DTUL (66 psi) - Annealed [2]	253	°F	123	°C	ASTM D648

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

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.

[2] Measured on annealled sample at 100 °C for 30 minutes.

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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