

ExxonMobil™ PP7855E1

Polypropylene Impact Copolymer

Product Description

A high crystallinity, medium impact strength copolymer resin with high melt flow rate and good processing attributes. It is designed for injection-molded automotive interior applications and large appliance parts.

General

Availability ¹	▪ North America
Features	▪ Balanced Stiffness/Toughness ▪ High Impact Resistance ▪ Nucleated ▪ Good Stiffness ▪ Impact Modified ▪ Slip
Uses	▪ Appliances ▪ Automotive Interior Parts ▪ Automotive Exterior Parts ▪ Consumer Applications
Appearance	▪ Natural Color
Form(s)	▪ Pellets
Processing Method	▪ 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)	30 g/10 min	30 g/10 min	ISO 1133
Density	0.9 g/cm ³	0.9 g/cm ³	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)	3250 psi	22.4 MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	5.0 %	5.0 %	ASTM D638
Flexural Modulus - 1% Secant			
0.051 in/min (1.3 mm/min)	160000 psi	1100 MPa	ASTM D790A
0.51 in/min (13 mm/min)	183000 psi	1260 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	3.2 ft-lb/in	170 J/m	ASTM D256A
Gardner Impact			ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	235 in-lb	26.6 J	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	202 °F	94.7 °C	ASTM D648

Legal Statement

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.

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

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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