

ExxonMobil™ PP7945E1

Polypropylene Impact Copolymer

Product Description

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

General

Availability ¹	▪ Asia Pacific
Features	▪ High Flow ▪ High Stiffness ▪ Nucleated
Uses	▪ Automotive Applications ▪ Compounding
Appearance	▪ Natural Color
Form(s)	▪ Pellets
Processing Method	▪ Injection Molding
Revision Date	▪ 08/25/2021

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	115 g/10 min	115 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 Stress at Yield	4640 psi	32.0 MPa	ISO 527-2
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2
Flexural Modulus (0.079 in/min (2.0 mm/min))	264000 psi	1820 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	2.4 ft·lb/in ²	5.1 kJ/m ²	ISO 180/1A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	135 °F	57.2 °C	ISO 75-2/Af
Heat Deflection Temperature (0.45 MPa)	238 °F	114 °C	ISO 75-2/Bf

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	110	110	ASTM D785

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. For detailed Product Stewardship information, please contact Customer Service.

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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