

ExxonMobil™ PP7694E2

Polypropylene Impact Copolymer

Product Description

A high crystallinity, medium impact copolymer resin with medium melt flow rate and excellent processing attributes. It is designed for applications requiring long-term heat-aging resistance and excellent finished part appearance.

General

Availability ¹	▪ Latin America	▪ North America
Features	▪ Good Colorability ▪ Good Processability	▪ Good Thermal Aging Resistance ▪ High Impact Resistance ▪ High Stiffness ▪ Low Warpage
Uses	▪ Appliance Components	▪ Appliances ▪ Consumer Applications
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Compounding	▪ Injection Molding
Revision Date	▪ 12/01/2013	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19 g/10 min	19 g/10 min	ASTM D1238
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 2.0 in/min (51 mm/min)	3560 psi	24.5 MPa	ASTM D638
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)	189000 psi	1300 MPa	ASTM D790A
0.51 in/min (13 mm/min)	212000 psi	1460 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 -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	193 in-lb	21.8 J	ASTM D5420

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	212 °F	100 °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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