

ExxonMobil™ 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

Features	- High Stiffness - Impact Modified	- Medium Flow - Nucleated
Uses	Automotive Applications	Compounding
Appearance	Natural Color	
Form(s)	Pellets	
Processing Method	Blow Molding	Injection Molding

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/cm ³	0.900 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)	4990 psi	34.4 MPa	ASTM D638
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 @ 66psi - Annealed ²	253 °F	123 °C	ASTM D648

