

ExxonMobil™ PP8255E1

Polypropylene Impact Copolymer

Product Description

A high crystallinity, medium impact copolymer resin designed for compounded and injection molded applications requiring high melt flow rate and excellent processing attributes.

General

Features	- Balanced Stiffness/Toughness - Good Impact Resistance	- Good Processability - Heat Aging Resistant	- Medium Molecular Weight - Nucleated
Uses	Appliances	Automotive Applications	Compounding
Appearance	Natural Color		
Form(s)	Pellets		
Processing Method	Compounding	Injection Molding	

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	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			ASTM D638
2.0 in/min (51 mm/min)	3040 psi	21.0 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)	173000 psi	1190 MPa	ASTM D790A
0.51 in/min (13 mm/min)	198000 psi	1370 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	3.6 ft-lb/in	190 J/m	ASTM D256A
Gardner Impact			ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	245 in-lb	27.7 J	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	205 °F	95.9 °C	ASTM D648

