

ExxonMobil™ PP7035E5

Polypropylene Impact Copolymer

Product Description

A medium impact copolymer resin designed for injection molding applications requiring high melt flow rate.

General

Features	▪ Good Colorability ▪ Good Dimensional Stability	▪ Good Flow ▪ Low Temperature Impact Resistance
Uses	▪ Bottles ▪ Consumer Applications	▪ Furniture ▪ Packaging ▪ Rigid Packaging
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ 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)	3230 psi	22.3 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	5.8 %	5.8 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	152000 psi	1050 MPa	ASTM D790A
0.51 in/min (13 mm/min)	173000 psi	1190 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	2.7 ft-lb/in	150 J/m	ASTM D256A
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	206 in-lb	23.3 J	ASTM D5420

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	192 °F	88.7 °C	ASTM D648

