

## ExxonMobil PP7032E2 Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

### Material Notes:

**Product Description:** A high crystallinity, high impact copolymer resin designed for injection-molding, extrusion and thermoforming applications.  
**Availability:** North America  
**Features:** Good Colorability Good Dimensional Stability Good Thermal Stability Medium Flow  
**Uses:** Automotive Applications Caps Closures Compounding Packaging Rigid Packaging  
**Processing Method:** Injection Molding Automotive  
**Certifications:** Chrysler MS DB500 CPN 2194 Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP7032E2-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP7032E2-Impact-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.9 MPa	3460 psi	2 in/min; ASTM D638
Elongation at Yield	8.0 %	8.0 %	2 in/min; ASTM D638
Flexural Modulus	1.08 GPa	157 ksi	1% secant, 0.05 in/min.; ASTM D790A
	1.25 GPa	181 ksi	1% secant, 0.5 in/min; ASTM D790B
Izod Impact, Notched	NB	NB	ASTM D256
Gardner Impact	28.2 J @Thickness 3.17 mm, Temperature -30.0 °C	20.8 ft-lb @Thickness 0.125 in, Temperature -22.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	204 - 246 °C	399 - 475 °F	Typical

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