

ExxonMobil PP7694E2 Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

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. **Availability:** North America and South America **Features:** Good Colorability Good Processability Good Thermal Aging Resistance High Impact Resistance High Stiffness Low Warpage **Uses:** Appliance Components Appliances Consumer Applications Tool/Tote Box **Processing Method:** Injection Molding and Compounding **Information provided by ExxonMobil Chemical**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7694E2-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	19 g/10 min @Load 2.16 kg, Temperature 230 °C	19 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.7 MPa	3580 psi	2 in/min; ASTM D638
Elongation at Yield	5.6 %	5.6 %	2 in/min; ASTM D638
Flexural Modulus	1.27 GPa	184 ksi	1% secant, 0.05 in/min.; ASTM D790
	1.45 GPa	210 ksi	1% secant, 0.5 in/min; ASTM D790B
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256
Gardner Impact	23.7 J @Thickness 3.17 mm, Temperature -30.0 °C	17.5 ft-lb @Thickness 0.125 in, Temperature -22.0 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	204 - 232 °C	399 - 450 °F	Typical

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