

## ExxonMobil PP5722E1 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

**Product Description:** A medium flow homopolymer resin designed for mono-oriented products like stretched tapes and monofilament. **Availability:** Asia Pacific **Features:** Good Gauge Control Good Processability Low Water Carryover Medium Flow Uses: Fabrics Rope Tape Yarn **Processing Method:** Extrusion **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP5722E1-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP5722E1-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil Method
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	35.1 MPa	5090 psi	ASTM D638
Elongation at Yield	9.8 %	9.8 %	ASTM D638
Flexural Modulus, 1% Secant	1480 MPa	215000 psi	0.05 in/min; ASTM D790A
	1700 MPa	246000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.395 J/cm	0.740 ft-lb/in	ASTM D256A
Gardner Impact	3.04 J @Thickness 3.17 mm, Temperature -28.9 °C	2.24 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	ASTM D648

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