

## ExxonMobil PP5032E3 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

**Product Description:** A polypropylene homopolymer type designed for production of monofilaments, tapes for the textile industry, geo textiles, fibrillated tapes for ropes and twines in the packaging, agriculture and finishing industries and suitable for chill roll and water bath lines. **Availability:** Africa & Middle East and Asia Pacific **Features:** Low Water Carryover **Uses:** Consumer Applications Fabrics Fibers Heavy-duty Bags **Packaging Processing Method:** Extrusion, Filament Extrusion and Thermoforming **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP5032E3-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP5032E3-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ISO 868
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2/1A/50
Elongation at Yield	9.0 %	9.0 %	ISO 527-2/1A/50
Tensile Modulus	1.44 GPa	209 ksi	ISO 527-2/1A/1
Flexural Modulus	1.43 GPa	207 ksi	0.079 in/min; ISO 178
Charpy Impact, Notched	0.441 J/cm <sup>2</sup>	2.10 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	320 °C	608 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	86.1 °C	187 °F	ISO 75-2/B

## Contact Songhan Plastic Technology Co.,Ltd.

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