

MTM Plastics Purpolen® PP Polypropylene Regrind

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Purpolen® is a sorted regrind material suited to the production of demanding end user products. Extrusion and injection molding grades are available in many colors. The basis of our Purpolen® is a pre-product sorted according to type and color, which is produced through a patented separating process. Information provided by MTM Plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MTM-Plastics-Purpolen-PP-Polypropylene-Regrind.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ISO 1183
Moisture Absorption	<= 0.100 %	<= 0.100 %	
Melt Flow	>= 20 g/10 min @Load 2.16 kg, Temperature 230 °C	>= 20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Ash	<= 2.0 %	<= 2.0 %	Ignition Residue after 650°C; ISO 1172

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	DIN 53505
Tensile Strength, Yield	>= 24.0 MPa	>= 3480 psi	50 mm/min; ISO 527
Elongation at Yield	>= 18 %	>= 18 %	50 mm/min; ISO 527
Tensile Modulus	>= 1.10 GPa	>= 160 ksi	1 mm/min; ISO 527
Charpy Impact, Notched	>= 0.300 J/cm ² @Temperature -23.0 °C	>= 1.43 ft-lb/in ² @Temperature -9.40 °F	edgewise; ISO 179
	>= 0.650 J/cm ² @Temperature 23.0 °C	>= 3.09 ft-lb/in ² @Temperature 73.4 °F	edgewise; ISO 179

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