

MTM Plastics Purpolen® PE Polyethylene Regrind

Category : Polymer , Thermoplastic , Polyethylene (PE)

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-PE-Polyethylene-Regrind.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Moisture Absorption	<= 0.100 %	<= 0.100 %	
Melt Flow	<= 0.60 g/10 min @Load 2.16 kg, Temperature 190 °C	<= 0.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	<= 1.5 g/10 min @Load 2.16 kg, Temperature 230 °C	<= 1.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
	<= 3.0 g/10 min @Load 5.00 kg, Temperature 190 °C	<= 3.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133
Ash	<= 1.0 %	<= 1.0 %	Ignition Residue after 650°C; ISO 1172

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	DIN 53505
Tensile Strength, Yield	>= 23.0 MPa	>= 3340 psi	50 mm/min; ISO 527
Elongation at Yield	>= 75 %	>= 75 %	50 mm/min; ISO 527
Tensile Modulus	>= 0.850 GPa	>= 123 ksi	1 mm/min; ISO 527
Charpy Impact, Notched	>= 0.600 J/cm ² @Temperature -23.0 °C	>= 2.86 ft-lb/in ² @Temperature -9.40 °F	edgewise; ISO 179
	>= 3.00 J/cm ² @Temperature 23.0 °C	>= 14.3 ft-lb/in ² @Temperature 73.4 °F	edgewise; ISO 179

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China