

MBA Polymers HDPE 1107 E Post-consumer recycled fractional melt high density polyethylene

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Available in standard black. Information provided by MBA Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MBA-Polymers-HDPE-1107-E-Post-consumer-recycled-fractional-melt-high-density-polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	MBA Method
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.30 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa @Temperature 23.0 Â°C	2900 psi @Temperature 73.4 Â°F	ISO 527-2/50
Flexural Modulus	0.600 GPa @Temperature 23.0 Â°C	87.0 ksi @Temperature 73.4 Â°F	ISO 178
Izod Impact, Notched (ISO)	20.0 kJ/m ² @Temperature 23.0 Â°C	9.52 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180/1A

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 210 Â°C	374 - 410 Â°F	Injection Molding Range
	200 Â°C	392 Â°F	Recommended Injection Molding
	190 - 210 Â°C	374 - 410 Â°F	Extrusion Range
	200 Â°C	392 Â°F	Recommended Extrusion
Mold Temperature	10.0 - 30.0 Â°C	50.0 - 86.0 Â°F	
	20.0 Â°C	68.0 Â°F	Recommended
Drying Temperature	70.0 Â°C @Time 3600 - 7200 sec	158 Â°F @Time 1.00 - 2.00 hour	

Moisture Content	<= 0.10 %	<= 0.10 %	
Processing Properties	Metric	English	Comments

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