

Eurostar Starpylen HZ 80E7 HDPE, Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Starpylen HZ 80E7 is a High Specific Gravity Polypropylene, Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starpylen-HZ-80E7-HDPE-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	2.55 g/cc	0.0921 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 5.0 %	>= 5.0 %	5 mm/min; ISO 527
Elongation at Yield	14 %	14 %	5 mm/min; ISO 527
Flexural Yield Strength	28.0 MPa	4060 psi	2 mm/min; ISO 178
Flexural Modulus	4.40 GPa	638 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80x10x4; ISO 180/1U

Processing Properties	Metric	English	Comments
Zone 1	195 - 205 °C	383 - 401 °F	
Zone 2	215 - 225 °C	419 - 437 °F	
Zone 3	225 - 250 °C	437 - 482 °F	
Melt Temperature	225 - 250 °C	437 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Drying Temperature	70.0 °C @Time 10800 sec	158 °F @Time 3.00 hour	

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