

Engineered Polymer Solutions ABS PCR 400, Recycled

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

General Purpose with 40% Post Consumer ABS. Natural and colors available. Injection molding grade. Uses: General Purpose Information provided by Engineered Polymer Solutions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Engineered-Polymer-Solutions-ABS-PCR-400-Recycled.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792-91
Melt Flow	7.0 g/10 min @Load 3.80 kg, Temperature 230 °C	7.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Flexural Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	2.45 GPa	355 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 193 °C	350 - 380 °F	
Middle Barrel Temperature	177 - 204 °C	350 - 400 °F	
Front Barrel Temperature	193 - 204 °C	380 - 400 °F	
Nozzle Temperature	204 - 221 °C	400 - 430 °F	
Mold Temperature	48.9 - 60.0 °C	120 - 140 °F	
Drying Temperature	79.4 - 85.0 °C	175 - 185 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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