

Oxford Polymers ABS 30GF-BK ABS, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 30% Glass Fiber Filled

Material Notes:

Product Description: Glass Fiber (30% Reinforced), ABS injection molding grade Processing and Delivery Form: Pellets and Injection

Molding Additives: Release Agents Special Characteristics: Pre-colored black Information provided by Oxford Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-ABS-30GF-BK-ABS-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.00200 cm/cm @Thickness 3.17 mm	0.00200 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	72.4 MPa	10500 psi	ASTM D638
Elongation at Break	2.00 %	2.00 %	ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	220 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	188 - 210 °C	370 - 410 °F	
Middle Barrel Temperature	204 - 227 °C	400 - 440 °F	
Front Barrel Temperature	216 - 238 °C	420 - 460 °F	
Nozzle Temperature	218 - 260 °C	425 - 500 °F	
Melt Temperature	218 - 249 °C	425 - 480 °F	
Mold Temperature	48.9 - 71.1 °C	120 - 160 °F	
Drying Temperature	82.2 °C	180 °F	

Processing Properties	Metric 4.00 hour	English 00 hour	Comments
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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