

Aclo Accutech ABS ABS832G20L Glass Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-ABS-ABS832G20L-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	MD; ASTM D955
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Ash	20 %	20 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength at Break	77.98 MPa	11310 psi	ASTM D638
Tensile Strength, Yield	77.98 MPa	11310 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Tensile Modulus	3.900 GPa	565.6 ksi	ASTM D638
Flexural Strength	114.0 MPa	16530 psi	ASTM D790
Flexural Modulus	5.699 GPa	826.6 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm	1.60 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.9 °C	210 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	92.8 °C	199 °F	

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