

Aclo Accuguard Polycarbonate POL050G10HIV0L Glass Reinforced High Impact Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accuguard-Polycarbonate-POL050G10HIV0L-Glass-Reinforced-High-Impact-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	MD; ASTM D955
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Ash	10 %	10 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength at Break	69.98 MPa	10150 psi	ASTM D638
Tensile Strength, Yield	75.98 MPa	11020 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	2.899 GPa	420.5 ksi	ASTM D638
Flexural Strength	122.0 MPa	17690 psi	ASTM D790
Flexural Modulus	3.699 GPa	536.5 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)	140 °C	284 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	133 °C	271 °F	
Flammability, UL94	V-0 @Thickness 3.17 mm	V-0 @Thickness 0.125 in	UL File #E99379

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