

Aclo Accutech Polyethylene HD0234G10UVL High Density Glass Reinforced UV Stabilized

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Glass fiber Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polyethylene-HD0234G10UVL-High-Density-Glass-Reinforced-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	MD; ASTM D955
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Ash	10 %	10 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	50	50	ASTM D785
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D638
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	165 %	165 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Tensile Modulus	2.050 GPa	297.3 ksi	ASTM D638
Flexural Strength	29.0 MPa	4210 psi	ASTM D790
Flexural Modulus	1.700 GPa	246.5 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	119 °C	246 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	

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