

Gichem GILAC A070V3C Acrylonitrile Butadiene Styrene (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

Material Notes:

ABS glass fiber filled, excellent mechanical properties. Medium-High Injection speed. Information provided by GICHEM Gruppo Industriale Chimico

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gichem-GILAC-A070V3C-Acrylonitrile-Butadiene-Styrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Modulus	5.50 GPa	798 ksi	ASTM D790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D256
	0.450 J/cm	0.843 ft-lb/in	ASTM D256
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	216 °F	ASTM D648
Vicat Softening Point	100 °C	212 °F	ASTM D1525/A
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability Test	90	90	[°C] Bilia; IEC 331
Oxygen Index	19 %	19 %	ASTM D2863
Glow Wire Test	650 °C	1200 °F	IEC 695-2-1

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	220 °C	428 °F	

Processing Properties	Metric 80.0 °C	English 176 °F	Comments
Drying Temperature	80.0 °C	176 °F	2 hours

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