

Gichem GILAC A50VX35/VO ABS Flame Retardant (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Glass Fiber Filled, Flame Retardant

Material Notes:

ABS self-extinguishing class V0, 17% glass fiber filled, good stiffness. Medium injection speed. Information provided by GICHEM Gruppo Industriale Chimico

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gichem-GILAC-A50VX35VO-ABS-Flame-Retardant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Modulus	4.50 GPa	653 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	100 °C	212 °F	ASTM D1525/A
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Flammability Test	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability Test	75	75	[°C] Bilia; IEC 331
Oxygen Index	37 %	37 %	ASTM D2863
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 - 240 °C	410 - 464 °F	

Processing Properties	Metric 70.0 °C	English 158 °F	Comments
Drying Temperature	80.0 °C	176 °F	2 hours

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