

Gichem GIBLEND E45X3/VO ABS - Polycarbonate - PC/ABS Flame Retardant (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Blend PC-ABS self-extinguishing class V0 medium fluidity. Medium injection speed. Information provided by GICHEM Gruppo Industriale Chimico

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gichem-GIBLEND-E45X3VO-ABS-Polycarbonate-PCABS-Flame-Retardant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	15 g/10 min	15 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Modulus	2.40 GPa	348 ksi	ASTM D790
Izod Impact, Notched	3.50 J/cm	6.56 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ASTM D648
Vicat Softening Point	108 °C	226 °F	ASTM D1525/A
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	32 %	32 %	ASTM D2863
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1

Processing Properties	Metric	English	Comments
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Middle Barrel Temperature Processing Properties	220 - 240 °C Metric	428 - 464 °F English	Comments
Mold Temperature	50.0 - 70.0 °C	122 - 158 °F	
Drying Temperature	100 °C	212 °F	2 hours

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