

Gichem GIBLEND E45400 Polycarbonate / ABS (discontinued **)

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

Material Notes:

Polycarbonate and ABS blend, high 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-E45400-Polycarbonate-ABS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792
Water Absorption	0.020 %	0.020 %	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	45.0 MPa	6530 psi	ASTM D638
Elongation at Yield	80 %	80 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	4.00 J/cm	7.49 ft-lb/in	ASTM D256
	3.00 J/cm	5.62 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)	105 °C	221 °F	ASTM D648
Vicat Softening Point	120 °C	248 °F	ASTM D1525/A
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability Test	110	110	[°C] Bilia; IEC 331
Oxygen Index	21 %	21 %	ASTM D2863
Glow Wire Test	650 °C	1200 °F	IEC 695-2-1

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	220 - 250 °C	428 - 482 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	30.0 - 70.0 °C	122 - 158 °F	
Drying Temperature	100 °C	212 °F	2 hours

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