

Gichem GILAC E200 Acrylonitrile Butadiene Styrene (discontinued **)

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

Material Notes:

ABS medium fluidity, excellent resilience. 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-E200-Acrylonitrile-Butadiene-Styrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ASTM D256
	1.40 J/cm	2.62 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)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525/A
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability Test	75	75	[°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	English	Comments
Mold Temperature	30.0 - 60.0 °C	122 - 140 °F	
Drying Temperature	80.0 °C	176 °F	2 hours

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