BASF Styroclear GH 58 SBC

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene-Butadiene Copolymer, SBC

Material Notes:

Styroclear GH 58 is a high flow thermoplastic styrene-butadiene block copolymer with excellent mold release properties. It has crystal clarity, good toughness, good stiffness and warpage resistance for general molding applications. Styroclear GH 58 may be suitable for conventional thermoplastics processing technologies such as injection molding.

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Styroclear-GH-58-SBC.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in³	ISO 1183
Water Absorption	0.070 %	0.070 %	ISO 62
Melt Flow	16 g/10 min @Load 5.00 kg, Temperature 200 °C	16 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	ASTM Test
Tensile Strength, Yield	28.0 MPa	4060 psi	2 in/min; ASTM Test
Elongation at Break	43 %	43 %	2 in/min; ASTM Test
Tensile Modulus	1.68 GPa	244 ksi	2 in/min; ASTM Test
Flexural Strength	33.0 MPa	4790 psi	ASTM Test
Flexural Modulus	1.50 GPa	218 ksi	ASTM Test
Dart Drop, Total Energy	0.600 J	0.443 ft-lb	ASTM Test

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	67.0 °C	153 °F	ASTM Test
Vicat Softening Point	90.0 °C	194 °F	Rate "B" Loading 1 (120 degC/h 10N); ASTM Test

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	

Electrical Properties	Metric	English	Comments

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00030	0.00030	ASTM Data
	@Frequency 1e+9 Hz	@Frequency 1e+9 Hz	
	0.00080 @Frequency 1.00e+6 Hz	0.00080 @Frequency 1.00e+6 Hz	ASTM Data

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 235 °C	356 - 455 °F	Injection Molding
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	Injection Molding

Descriptive Properties	Value	Comments
Color	Clear	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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