

BASF Styroclear GH 62 SBC

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

Material Notes:

Styroclear GH 62 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 injection molding applications. Styroclear GH 62 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-62-SBC.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ISO 1183
Water Absorption	0.070 %	0.070 %	ISO 62
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 200 °C	10 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM Test
Tensile Strength, Yield	28.0 MPa	4060 psi	2 in/min; ASTM Test
Elongation at Break	100 %	100 %	2 in/min; ASTM Test
Tensile Modulus	1.73 GPa	251 ksi	2 in/min; ASTM Test
Flexural Strength	31.0 MPa	4500 psi	ASTM Test
Flexural Modulus	1.48 GPa	215 ksi	ASTM Test
Dart Drop, Total Energy	5.00 J	3.69 ft-lb	ASTM Test

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM Test
Vicat Softening Point	91.0 °C	196 °F	Rate "B" Loading 1 (120 degC/h 10N); ASTM Test

Optical Properties	Metric	English	Comments
Transmission, Visible	92 %	92 %	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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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