

Chevron Phillips K-Resin® KR01BR SBC (discontinued **)

Category : Polymer , Thermoplastic , Styrene-Butadiene

Material Notes:

K-Resin® Styrene-Butadiene Copolymer (SBC) Applications: Molded boxes with integral hinges Medical devices Displays Toys Media packaging Features: Good stiffness Good toughness Good warpage resistance Excellent clarity with a slight blue tint Enhanced mold release characteristics Information provided by Chevron Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-K-Resin-KR01BR-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D-792
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D-2240
Tensile Strength, Yield	34.0 MPa	4930 psi	2.0 in/min; ASTM D-638
Elongation at Yield	25 %	25 %	2.0 in/min; ASTM D-638
Flexural Strength	55.0 MPa	7980 psi	1.0 in/min; 0.125" thickness; ASTM D-790
Flexural Modulus	1.70 GPa	247 ksi	1.0 in/min; 0.125" thickness; ASTM D-790
Impact Test	0.400 J @Thickness 3.17 mm, Temperature 22.8 °C	0.295 ft-lb @Thickness 0.125 in, Temperature 73.0 °F	150 in/sec; ASTM D-3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	ASTM D-648
Vicat Softening Point	90.0 °C	194 °F	ASTM D-1525

Optical Properties	Metric	English	Comments
Gloss	148 %	148 %	60°, mold temp 100°F; ASTM D-2457
Transmission, Visible	93 %	93 %	ASTM D-1003

Processing Properties	Metric	English	Comments
Mold Temperature	37.8 °C	100 °F	

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