

Chevron Phillips K-Resin® KR03BR SBC (discontinued **)

Category : Polymer , Thermoplastic , Styrene-Butadiene

Material Notes:

K-Resin® Styrene-Butadiene Copolymer (SBC) Applications: Bottles Molded boxes and containers Medical devices Portion packages Blister packaging Features: Good stiffness Good formability Good toughness 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-KR03BR-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D-792
Moisture Absorption at Equilibrium	0.090 %	0.090 %	24 hours; ASTM D-570
Melt Flow	7.5 g/10 min @Load 5.00 kg, Temperature 200 °C	7.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61.2	61.2	ASTM D-2240
Tensile Strength, Yield	26.6 MPa	3860 psi	Type 1 @ 2.0 in/min; ASTM D-638
Elongation at Yield	236 %	236 %	Type 1 @ 2.0 in/min; ASTM D-638
Flexural Strength	36.5 MPa	5290 psi	1.0 in/min; 0.125" thickness; ASTM D-790
Flexural Modulus	1.59 GPa	231 ksi	1.0 in/min; 0.125" thickness; ASTM D-790
Izod Impact, Notched	0.198 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	0.371 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D-256
Impact Test	32.8 J @Thickness 3.17 mm, Temperature 22.8 °C	24.2 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)	61.1 °C	142 °F	ASTM D-648
Vicat Softening Point	80.6 °C	177 °F	ASTM D-1525

Optical Properties	Metric	English	Comments
Gloss	148 %	148 %	60°, mold temp 100°F; ASTM D-2457
Transmission, Visible	91.4 %	91.4 %	ASTM D-1003

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

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