

## Chevron Phillips K-Resin® BK18 Styrene-Butadiene Copolymer (discontinued \*\*)

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

### Material Notes:

Characteristics: Good flexibility Good impact resistance Good clarity Good mold release Applications: Toys Overcaps Consumer products Information provided by Chevron Phillips.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-K-Resin-BK18-Styrene-Butadiene-Copolymer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-K-Resin-BK18-Styrene-Butadiene-Copolymer-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	ASTM D792
Melt Flow	7.5 g/10 min	7.5 g/10 min	Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Yield	19.0 MPa	2760 psi	2 in/min, specimen injection molded by ASTM method D1897; ASTM D638
Elongation at Break	259 %	259 %	2 in/min, specimen injection molded by ASTM method D1897; ASTM D638
Flexural Yield Strength	29.7 MPa	4310 psi	Specimen injection molded by ASTM method D1897; ASTM D790
Flexural Modulus	1.263 GPa	183.2 ksi	Specimen injection molded by ASTM method D1897; ASTM D790
Izod Impact, Notched	0.345 J/cm @Thickness 3.17 mm	0.646 ft-lb/in @Thickness 0.125 in	ASTM D256
Impact Test	25.9 J	19.1 ft-lb	Instrumented; ASTM 3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	Fiber stress; ASTM D648
Vicat Softening Point	69.0 °C	156 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Transmission, Visible	90.4 %	90.4 %	

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 232 °C	380 - 450 °F	

Processing Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China