

## KR38

### K-Resin<sup>®</sup> Styrene-Butadiene Copolymers (SBC)

#### Customer Benefits

- Combines Clarity and Toughness
- Good Formability
- High Surface Gloss

#### Typical Applications

- Thermoformed Blister Packs
- Portion Packages
- Cups and Lids

Nominal Physical Properties <sup>(1)</sup>	English	SI	Method
<b>Density</b>	1.00 g/cm <sup>3</sup>		ASTM D792
<b>Melt Flow Rate</b> 200°C/5.0 kg	9.0 g/10 min		ASTM D1238
<b>Tensile Yield Strength</b> Type 1 @ 50 mm/min	2,350 psi	16.2 MPa	ASTM D638
<b>Tensile Elongation @ Break</b> Type 1 @ 50 mm/min	260%		ASTM D638
<b>Flexural Modulus</b> 3.2 mm specimen @ 1.27 cm/min	198,000 psi	1,365 MPa	ASTM D790
<b>Flexural Yield Strength</b> 3.2 mm specimen @ 1.27 cm/min	3,600 psi	25 MPa	ASTM D790
<b>Deflection Temperature Under Load</b> 1.8 MPa	134 °F	56.7 °C	ASTM D648
<b>Instrumented Impact</b> Total Energy 3.2 mm, 381 cm/s, 12.7 mm tup	340 in-lbs	38.4 J	ASTM D3763
<b>Hardness</b> Shore D	56		ASTM D2240
<b>Vicat Softening Point</b> Rate B	166 °F	74.4 °C	ASTM D1525
<b>Light Transmission</b>	92 %		ASTM D1003

1. *The nominal properties herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded.*
2. *A product regulatory overview (PRO) document for KR38 is available at [www.cpchem.com](http://www.cpchem.com)*
3. **K-Resin<sup>®</sup> SBC Grade KR38 is produced in an ISO 9001:2008 certified plant**

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Another quality product from



Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.