

KR38

K-Resin® 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 ⁽¹⁾	English	SI	Method
Density	1.00 g/cm ³		ASTM D792
Melt Flow Rate 200°C/5.0 kg	9.0 g/10 min		ASTM D1238
Tensile Yield Strength Type 1 @ 50 mm/min	2,350 psi	16.2 MPa	ASTM D638
Tensile Elongation @ Break Type 1 @ 50 mm/min	260%		ASTM D638
Flexural Modulus 3.2 mm specimen @ 1.27 cm/min	198,000 psi	1,365 MPa	ASTM D790
Flexural Yield Strength 3.2 mm specimen @ 1.27 cm/min	3,600 psi	25 MPa	ASTM D790
Deflection Temperature Under Load 1.8 MPa	134 °F	56.7 °C	ASTM D648
Instrumented Impact Total Energy 3.2 mm, 381 cm/s, 12.7 mm tup	340 in·lbs	38.4 J	ASTM D3763
Hardness Shore D	56		ASTM D2240
Vicat Softening Point Rate B	166 °F	74.4 °C	ASTM D1525
Light Transmission	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
3. K-Resin® SBC Grade KR38 is produced in an ISO 9001:2008 certified plant

MSDS 100000103240

Another quality product from

