KR40

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	1.02 g/cm^3		ASTM D792
Melt Flow Rate 200°C/5.0 kg	10.0 g/10 min		ASTM D1238
Tensile Yield Strength Type 1 @ 50 mm/min	2,240 psi	15.4 MPa	ASTM D638
Tensile Elongation @ Break Type 1 @ 50 mm/min	339%		ASTM D638
Flexural Modulus 3.2 mm specimen @ 1.27 cm/min	122,800 psi	847 MPa	ASTM D790
Flexural Yield Strength 3.2 mm specimen @ 1.27 cm/min	3,535 psi	24.4 MPa	ASTM D790
Deflection Temperature Under Load 1.8 MPa	117 °F	47 °C	ASTM D648
Instrumented Impact Total Energy 3.2 mm, 381 cm/s, 12.7 mm tup	380 in·lbs	43 J	ASTM D3763
Hardness Shore D	60		ASTM D2240
Vicat Softening Point Rate B	145 °F	63 °C	ASTM D1525
Light Transmission	90 %		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 KR40 is available at***
3. **K-Resin® SBC Grade KR40 is produced in an ISO 9001:2008 certified plant**

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