K-Resin KR20

Styrene Butadiene Copolymer (SBC)

DESCRIPTION

K-Resin® KR20 a clear styrene-butadiene block copolymer (SBC) with an exceptional high toughness. K-Resin® KR20 is mainly used in compounding of styrenic polymers to enhance the impact properties of such blends.

FEATURES

- Improved toughness for styrenic polymers and styrenic polymer blends

APPLICATIONS

- Impact modification of styrenic polymer and styrenic polymer blends

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 200 °C/5 kg	ASTM D 1238	g/10 min	6.0
Mechanical Properties			
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	292
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	1,500
Tensile Strain at Break, 23 °C	ASTM D 638	%	> 500
Flexural Strength, 23 °C	ASTM D 790	psi	2,300
Flexural Modulus, 23 °C	ASTM D 790	psi x 10³	92,670
Hardness, Shore D	ASTM D 2240	-	46
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	140
DTUL @ 264 psi - Annealed	ASTM D 648	°F	122
Optical Properties			
Light Transmission at 550 nm	ASTM D 1003	%	91
Other Properties			
Density	ASTM D 792	-	0.99

Typical values for uncolored products

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