INEOS STYROLUTION

K-Resin KR20

Styrene Butadiene Copolymer (SBC)

TECHNICAL DATASHEET

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	ISO 1133	g/10 min	6.0
Mechanical Properties			
Instrumented Dart Impact (total energy)		J	33
Tensile Stress at Yield, 23 °C	ISO 527	MPa	10.3
Tensile Strain at Break, 23 °C	ISO 527	%	> 500
Flexural Strength, 23 °C	ISO 178	MPa	16
Flexural Modulus, 23 °C	ISO 178	MPa	640
Hardness, Shore D	ISO 868	-	46
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°C	60
DTUL @ 264 psi - Annealed		°C	50
Optical Properties			
Light Transmission at 550 nm	ASTM D 1003	%	91
Other Properties			
Density	ISO 1183	kg/m³	990