

Ter Hell Plastic K-Resin KRE 9902 Butadiene-Styrene Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene-Butadiene Copolymer, SBC

Material Notes:

Description: Butadiene-Styrene Copolymer Compound, good transparency with impact strength and stiffness well-balanced. Application: For all kinds of injection molded parts. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-K-Resin-KRE-9902-Butadiene-Styrene-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ISO 1183
Melt Flow	7.0 g/10 min @Load 5.00 kg, Temperature 200 °C	7.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	dry; ISO 527
Elongation at Break	30 %	30 %	dry; ISO 527
Elongation at Yield	5.0 %	5.0 %	dry; ISO 527
Tensile Modulus	2.00 GPa	290 ksi	dry; ISO 527
Charpy Impact Unnotched	1.30 J/cm ²	6.19 ft-lb/in ²	dry; ISO 179
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	dry; ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	75.0 °C	167 °F	B/50; ISO 306
	95.0 °C	203 °F	A/50; ISO 306
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 230 °C	374 - 446 °F	
Drying Temperature	60.0 °C	140 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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