

Polykemi AB POLYelast TPE ZSB60650 Thermoplastic Elastomer, SEBS/SBS-based, Mineral Reinforced

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYelast-TPE-ZSB60650-Thermoplastic-Elastomer-SEBS/SBS-based-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Melt Index of Compound	10 g/10 min @Load 5.00 kg, Temperature 190 °C	10 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74 @Time 15.0 sec	74 @Time 0.00417 hour	Polykemi
Tensile Strength at Break	<= 5.50 MPa	<= 798 psi	ISO/R527
Elongation at Break	670 %	670 %	ISO/R527
100% Modulus	0.00300 GPa	0.435 ksi	ISO/R527
300% Modulus	0.00400 GPa	0.580 ksi	ISO/R527
Compression Set	42.8 % @Temperature 23.0 °C, Time 259000 sec	42.8 % @Temperature 73.4 °F, Time 72.0 hour	DIN 53517
	88.3 % @Temperature 70.0 °C, Time 86400 sec	88.3 % @Temperature 158 °F, Time 24.0 hour	DIN 53517

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	
Back Pressure	0.500 - 1.50 MPa	72.5 - 218 psi	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Injection Pressure	Low	
Injection Speed ()	High	

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