

Polykemi AB POLYelast TPE EZ506X Thermoplastic Elastomer, SEBS-based

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYelast-TPE-EZ506X-Thermoplastic-Elastomer-SEBS-based.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 @Time 15.0 sec	50 @Time 0.00417 hour	Polykemi
Tensile Strength at Break	<= 2.50 MPa	<= 363 psi	ISO/R527
Elongation at Break	700 %	700 %	ISO/R527
100% Modulus	0.00120 GPa	0.174 ksi	ISO/R527
300% Modulus	0.00160 GPa	0.232 ksi	ISO/R527
Compression Set	25 % @Temperature 23.0 °C, Time 259000 sec	25 % @Temperature 73.4 °F, Time 72.0 hour	DIN 53517
	92 % @Temperature 70.0 °C, Time 86400 sec	92 % @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
Holding Pressure ()	Low	% of injection pressure
Injection Pressure	Low	
Injection Speed ()	High	

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