

Polykemi AB POLYelast TPE ZS506 Thermoplastic Elastomer, SEBS/SBS-based

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-ZS506-Thermoplastic-Elastomer-SEBSSBS-based.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in³	ISO 1183
Linear Mold Shrinkage	0.014 - 0.020 cm/cm	0.014 - 0.020 in/in	With Flow; ISO 2577
	0.014 - 0.020 cm/cm	0.014 - 0.020 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Polykemi
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	<= 5.70 MPa	<= 827 psi	ISO/R527
Elongation at Break	675 %	675 %	ISO/R527
100% Modulus	0.00110 GPa	0.160 ksi	ISO/R527
300% Modulus	0.00210 GPa	0.305 ksi	ISO/R527

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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