

Polykemi AB POLYelast TPE Z650A Thermoplastic Elastomer, SEBS-based, Co-injection Grade

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-Z650A-Thermoplastic-Elastomer-SEBS-based-Co-injection-Grade.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in³	ISO 1183
Linear Mold Shrinkage	0.017 - 0.024 cm/cm	0.017 - 0.024 in/in	With Flow; ISO 2577
	0.017 - 0.024 cm/cm	0.017 - 0.024 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65 @Time 15.0 sec	65 @Time 0.00417 hour	Polykemi
Tensile Strength at Break	<= 10.0 MPa	<= 1450 psi	ISO/R527
Elongation at Break	700 %	700 %	ISO/R527
100% Modulus	0.00250 GPa	0.363 ksi	ISO/R527
300% Modulus	0.00330 GPa	0.479 ksi	ISO/R527
Tear Strength	25.0 kN/m	143 pli	D624

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 220 °C	392 - 428 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Drying Temperature	70.0 - 80.0 °C	158 - 176 °F	
Dry Time	1 - 2 hour	1 - 2 hour	in desiccant air dryer
Back Pressure	0.500 - 1.50 MPa	72.5 - 218 psi	

Descriptive Properties	Value	Comments
Holding Pressure ()	Low	% of injection pressure
Injection Pressure	Low	

Descriptive Properties	Value	Comments
Injection Speed (g)	High	

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