

Polykemi AB POLYelast TPE E706 Thermoplastic Elastomer, EPDM-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-E706-Thermoplastic-Elastomer-EPDM-based.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.015 - 0.022 cm/cm	0.015 - 0.022 in/in	With Flow; ISO 2577
	0.015 - 0.022 cm/cm	0.015 - 0.022 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	Polykemi
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	<= 6.00 MPa	<= 870 psi	ISO/R527
Elongation at Break	350 %	350 %	ISO/R527
100% Modulus	0.00280 GPa	0.406 ksi	ISO/R527
300% Modulus	0.00380 GPa	0.551 ksi	ISO/R527
Tear Strength	27.0 kN/m	154 pli	D624

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 205 °C	356 - 401 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	

Descriptive Properties	Value	Comments
Back Pressure	Medium	
Holding Pressure ()	Low	% of injection pressure
Injection Pressure	High	
Injection Speed ()	Low-Medium	

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