

Teknor Apex TEKRON® 4300LM-P86-1 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Information provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-TEKRON-4300LM-P86-1-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	+/- 0.02; ASTM D792
Linear Mold Shrinkage, Flow	0.016 cm/cm	0.016 in/in	24 hours
	0.017 cm/cm	0.017 in/in	24 hours + 30 min at 93°C
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	24 hours
	0.015 cm/cm	0.015 in/in	24 hours + 30 min. at 93°C

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 second delay. +/-3; ASTM D2240
Tensile Strength, Yield	10.20 MPa	1479 psi	ASTM D412
Elongation at Break	660 %	660 %	ASTM D412
100% Modulus	0.00593 GPa	0.860 ksi	ASTM D412
300% Modulus	0.007074 GPa	1.026 ksi	ASTM D412
Flexural Modulus	0.110 GPa	16.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746
Flame Spread	18.3 mm/min	0.720 in/min	Pass: Burn Rate- Max 100; FMVSS 302

Descriptive Properties	Value	Comments
Fogging	98.3, 3 hours at 100°C. (SAE-J1756)	

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