

**Teknor Apex TEKRON® 4300-D90A 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-4300-D90A-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-TEKRON-4300-D90A-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	0.011 cm/cm	0.011 in/in	at 80°C for 30 min.
	0.012 cm/cm	0.012 in/in	at 93°C for 30 min.
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	at 80°C for 30 min.
	0.012 cm/cm	0.012 in/in	at 93°C for 30 min.
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 second delay. +/-3; ASTM D2240
Tensile Strength, Yield	8.62 MPa	1250 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
100% Modulus	0.00565 GPa	0.820 ksi	ASTM D412
300% Modulus	0.00683 GPa	0.990 ksi	ASTM D412
Flexural Modulus	0.1060 GPa	15.37 ksi	ASTM D790
Tear Strength	57.8 kN/m	330 pli	Die C; ASTM D1004

Descriptive Properties	Value	Comments
Fogging	89,6 hours at 95°C. (SAE-J1756)	

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