

Teknor Apex TEKRON® 4300-B88 UV Grade 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-B88-UV-Grade-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	+/- 0.02; ASTM D792
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	24 hrs
	0.018 cm/cm	0.018 in/in	24 hrs + 30 min. at 82°C
Melt Flow	8.7 g/10 min	8.7 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	91	91	15 second delay. +/-3; ASTM D2240
Tensile Strength, Yield	12.4 MPa	1800 psi	ASTM D412
Elongation at Break	700 %	700 %	ASTM D412
Elongation at Yield	29.5 %	29.5 %	ASTM D412
	10 %	10 %	ASTM D412
	@Temperature -35.0 °C	@Temperature -31.0 °F	
100% Modulus	0.00593 GPa	0.860 ksi	ASTM D412
300% Modulus	0.00683 GPa	0.990 ksi	ASTM D412
Flexural Modulus	0.1029 GPa	14.93 ksi	ASTM D790
Tear Strength	9.82 kN/m	56.0 pli	Die C; ASTM D1004

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	47.0 °C	117 °F	
Flame Spread	32.5 mm/min	1.28 in/min	Pass: Burn Rate- Max 100; FMVSS 302

Descriptive Properties	Value	Comments
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