

Teknor Apex TEKRON® 4300-D88F 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-D88F-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	0.0090 cm/cm	0.0090 in/in	at 80°C for 30 min.
	0.0090 cm/cm	0.0090 in/in	
	0.012 cm/cm	0.012 in/in	at 93°C for 30 min.
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	at 80°C for 30 min.
	0.010 cm/cm	0.010 in/in	
	0.013 cm/cm	0.013 in/in	at 93°C for 30 min.
Melt Flow	12 g/10 min	12 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 D	38	38	10 second delay. +/- 3; ASTM D2240
Tensile Strength, Yield	9.86 MPa	1430 psi	ASTM D412
Elongation at Break	415 %	415 %	ASTM D412
Flexural Modulus	0.1500 GPa	21.75 ksi	ASTM D790
	0.0620 GPa	8.99 ksi	ASTM D790
	@Temperature 70.0 °C	@Temperature 158 °F	
Impact Test	18.4 J	13.6 ft-lb	Multi-axial, at max. load
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Impact Test	22.4 J	16.5 ft-lb	Multiaxial, Peak Lead
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric <i>l/m</i>	English	Comments <i>1 D1004</i>
Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746
Flame Spread	25.4 mm/min	1.00 in/min	Pass: Burn Rate- Max 100; FMVSS 302

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China