

Teknor Apex Flexalloy® 89501-83FR Polyvinyl Chloride, Elastomer

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible Grade

Material Notes:

Notes: 105Â°C Insulation; RoHS Compliant Features: High Heat Resistance; Low Temperature Flexibility Uses Wet Rated Insulation Wire

Types: NISPE-1; NISPE-2; SE; SEO; SEOW; SEW; SJE; SJEO; SJEOW; SJEW; SPE-1; SPE-2; SPE-3; SRDE; SVE; SVEO; TF; TFF; THHW; THW;

TW; VW-1 Agency Ratings: UL Class 11; UL Class 12; UL Class 36; UL Class 43; UL QMTT2 .E73402 Forms: PelletsInformation Provided by

Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-89501-83FR-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 seconds; ASTM D2240
Tensile Strength at Break	17.9 MPa	2600 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Â°C	221 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-45.0 Â°C	-49.0 Â°F	ASTM D746
Oxygen Index	29 %	29 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.20e+13 ohm-cm	3.20e+13 ohm-cm	ASTM D257
Dielectric Constant	3.38	3.38	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	5.1	5.1	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.056	0.056	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.089	0.089	ASTM D150
	@Frequency 1.00e+6	@Frequency 1.00e+6	

Electrical Properties	Hz Metric	Hz English	Comments
Descriptive Properties	Value		Comments
Appearance	Opaque		

Contact Songhan Plastic Technology Co.,Ltd.

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