

Teknor Apex APEXÂ® 80853-A Polyvinyl Chloride, Flexible

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible Grade , PVC, Wire and Cable Grade

Material Notes:

Notes: 105Â°C Insulation; RoHS Compliant Uses: Wire and Cable Applications Agency Ratings: UL QMTT2 .E73402 Forms: Pellets Wire

Types: THHN; THW; TW; THHW; THWN Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-80853-A-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	76	76	10 seconds; ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	290 %	290 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Â°C	221 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-11.0 Â°C	12.2 Â°F	ASTM D746
Oxygen Index	28 %	28 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.50e+14 ohm-cm	1.50e+14 ohm-cm	ASTM D257
	@Temperature 50.0 Â°C	@Temperature 122 Â°F	
Dielectric Constant	2.96	2.96	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.12	4.12	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.040	0.040	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.087	0.087	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Appearance		Opaque	

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