

Teknor Apex APEXÂ® 80851 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 105Â°C Insulation; RoHS Compliant Forms: Pellets Uses: Insulation; Wire and Cable Applications Wire Types: AWM; THW; TW; THHN; THWN Agency Ratings: MIL W-16878; UL QMTT2 .E73402 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-80851-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	71	71	10 seconds; ASTM D2240
Tensile Strength at Break	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	320 %	320 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Â°C	221 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-24.0 Â°C	-11.2 Â°F	ASTM D746
Oxygen Index	28 %	28 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.80e+14 ohm-cm	1.80e+14 ohm-cm	ASTM D257
Dielectric Constant	2.89	2.89	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.05	4.05	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.048	0.048	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.074	0.074	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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