

Teknor Apex APEX® 80851-B Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 105°C Insulation; RoHS Compliant Forms: Pellets Uses: Wire and Cable Applications Wire Types: THW; TW; THHN; THWN Agency

Ratings: UL QMTT2 .E73402 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-80851-B-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	22.8 MPa	3300 psi	ASTM D638
Elongation at Break	330 %	330 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	Continuous Use; ASTM D794
Brittleness Temperature	-33.0 °C	-27.4 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+14 ohm-cm	3.00e+14 ohm-cm	ASTM D257
Dielectric Constant	3.01	3.01	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.26	4.26	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.053	0.053	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.076	0.076	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
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Appearance

Descriptive Properties	Optique Value	Comments
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