

Teknor Apex APEXÂ® 84856 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 90Â°C Insulation; RoHS Compliant Features: Flame Retardant; Sunlight Resistant (720 hours) Uses: Cable Jacketing Agency

Ratings: UL 62; UL QMTT2 .E73402 Forms: Pellets Wire Types: SJTW; STW Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-84856-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	67	67	10 seconds; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	310 %	310 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-24.0 Â°C	-11.2 Â°F	ASTM D746
Oxygen Index	29 %	29 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	9.40e+13 ohm-cm	9.40e+13 ohm-cm	ASTM D257
Dielectric Constant	3.36	3.36	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.78	4.78	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.064	0.064	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.082	0.082	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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