

Teknor Apex APEXÂ® 716 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 105Â°C Insulation; RoHS Compliant Features: High Heat Resistance Uses: Wire and Cable Applications; Flexible Cord Insulation; Wire JacketingForms: Pellets Wire Types: SPT-1; SPT-2; SPT-3 Agency Ratings: UL 62 Processing Method: Extrusion Additional Information: Temperature Rating: 105Â°C Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136Â°C: 77% Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136Â°C: 106%Information Provided by Teknor Apex

Order this product through the following link:
http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-716-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Melt Flow	0.500 g/10 min @Load 2.16 kg, Temperature 230 Â°C	0.500 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	15 seconds; ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	ASTM D638
Elongation at Break	340 %	340 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Â°C	221 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-38.0 Â°C	-36.4 Â°F	ASTM D746
Oxygen Index	23 %	23 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	182 Â°C	360 Â°F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

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