

Teknor Apex APEX[®] 460 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 105[°]C Insulation; RoHS Compliant Features: Low to no Migration; Oil Resistant Uses: Flexible Cord Insulation Forms: Pellets Wire Types: SJT00; ST00 Processing Method: Extrusion Additional Information: 1/64 in wall; Temperature Rating: 105[°]C UL Sunlight Resistance Recognition: No Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136[°]C: 77% Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136[°]C: 106% Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60[°]C: 90% Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60[°]C: 108% Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-460-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 seconds; ASTM D2240
Tensile Strength at Break	16.5 MPa	2400 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 [°] C	221 [°] F	Continuous Use; ASTM D794
Brittleness Temperature	-17.0 [°] C	1.40 [°] F	ASTM D746
Oxygen Index	23 %	23 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	ASTM D257

Descriptive Properties	Value	Comments
Appearance	Opaque	

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