

Teknor Apex APEX[®] 830 Polyvinyl Chloride, Flexible

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

Material Notes:Notes: 105[°]C Jacket; RoHS Compliant Features: Low Temperature Flexibility; High Heat Resistance; Oil Resistance Uses: Cable Jacketing

Forms: Pellets Wire Types: SJT; ST; SVT; SRDT Processing Method: Sheet Extrusion Agency Ratings: UL 62 Additional Information:

Temperature Rating: 105[°]C UL Sunlight Resistance Recognition: No Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136[°]C:87% Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136[°]C: 102% Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-830-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 seconds; ASTM D2240
Tensile Strength at Break	17.2 MPa	2500 psi	ASTM D638
Elongation at Break	360 %	360 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 [°] C	221 [°] F	Continuous Use; ASTM D794
Brittleness Temperature	-42.0 [°] C	-43.6 [°] F	ASTM D746
Oxygen Index	23 %	23 %	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	179 [°] C	355 [°] F	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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