

Teknor Apex APEX[®] 6500-90 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 60°C General Purpose; RoHS Compliant Uses: Connectors; Grommets; Plugs; Strain Reliefs
Forms: Pellets Processing Method: Injection Molding Agency Ratings: UL QMFZ2 .E54709 Wire Types: Molded Components Additional Information: Temperature Rating: 60°C
Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-6500-90-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 seconds; ASTM D2240
Tensile Strength at Break	17.8 MPa	2580 psi	ASTM D638
Elongation at Break	240 %	240 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Continuous Use; ASTM D794
Brittleness Temperature	-15.0 °C	5.00 °F	ASTM D746
UL RTI, Electrical	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
UL RTI, Mechanical with Impact	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
UL RTI, Mechanical without Impact	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
Flammability, UL94	V-1 @Thickness 3.00 mm	V-1 @Thickness 0.118 in	
Oxygen Index	24 %	24 %	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	191 °C	375 °F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

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