

Teknor Apex APEX[®] 7500-80 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 105[°]C General Purpose; RoHS Compliant Features: High Heat Resistance 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: 105[°]C Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-7500-80-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 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	80	80	15 seconds; ASTM D2240
Tensile Strength at Break	15.5 MPa	2250 psi	ASTM D638
Elongation at Break	380 %	380 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 [°] C	221 [°] F	Continuous Use; ASTM D794
Brittleness Temperature	-41.0 [°] C	-41.8 [°] 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	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
Oxygen Index	22 %	22 %	ASTM D2863

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

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

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