

Teknor Apex APEX[®] 7500- 105 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-7500-105-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 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 C	80	80	10 seconds; ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	ASTM D638
Elongation at Break	280 %	280 %	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
UL RTI, Electrical	50.0 [°] C	122 [°] F	UL 746
	@Thickness 0.749 mm	@Thickness 0.0295 in	
UL RTI, Mechanical with Impact	50.0 [°] C	122 [°] F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical without Impact	50.0 [°] C	122 [°] F	UL 746
	@Thickness 0.749 mm	@Thickness 0.0295 in	
UL RTI, Mechanical without Impact	50.0 [°] C	122 [°] F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 0.749 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Oxygen Index	26 %	26 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Melt Temperature	138 Â°C	280 Â°F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

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