

Teknor Apex APEXÂ® 6500-105 Polyvinyl Chloride, Flexible

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

Material Notes:

Notes: 60Â°C General Purpose; RoHS Compliant Uses: Connectors; Grommets; Plugs; Strain ReliefsForms: Pellets Processing Method:

Extrusion Agency Ratings: UL QMFZ2 .E54709 Wire Types: Molded Components Additional Information: Temperature Rating:

60Â°CInformation Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-6500-105-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 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
Brittleness Temperature	-10.0 Â°C	14.0 Â°F	ASTM D746
UL RTI, Electrical	50.0 Â°C @Thickness 3.00 mm	122 Â°F @Thickness 0.118 in	UL 746
UL RTI, Mechanical with Impact	50.0 Â°C @Thickness 3.00 mm	122 Â°F @Thickness 0.118 in	UL 746
UL RTI, Mechanical without Impact	50.0 Â°C @Thickness 3.00 mm	122 Â°F @Thickness 0.118 in	UL 746
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

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

Electrical Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
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	193 Â°C	380 Â°F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

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