

Teknor Apex APEX[®] 1011 Polyvinyl Chloride, Semi-Rigid

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid 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-1011-Polyvinyl-Chloride-Semi-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 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	69	69	10 seconds; ASTM D2240
Tensile Strength at Break	14.3 MPa	2080 psi	ASTM D638
Elongation at Break	230 %	230 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Continuous Use; ASTM D794
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746
UL RTI, Electrical	90.0 °C	194 °F	UL 746
	@Thickness 0.889 mm	@Thickness 0.0350 in	
	90.0 °C	194 °F	
UL RTI, Mechanical without Impact	80.0 °C	176 °F	UL 746
	@Thickness 0.889 mm	@Thickness 0.0350 in	
	90.0 °C	194 °F	
UL RTI, Mechanical without Impact	90.0 °C	194 °F	UL 746
	@Thickness 1.40 mm	@Thickness 0.0551 in	
	90.0 °C	194 °F	
UL RTI, Mechanical without Impact	90.0 °C	194 °F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
	90.0 °C	194 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.20 mm	@Thickness 0.0472 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Oxygen Index	24 %	24 %	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	60 - 120 sec	60 - 120 sec	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
High Amp Arc Ignition, HAI	60 - 120 arcs	60 - 120 arcs	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	

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

Descriptive Properties	Value	Comments
Appearance	Opaque	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China