

## Teknor Apex APEX<sup>®</sup> 4101 Polyvinyl Chloride, Flexible

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

### Material Notes:

Notes: 60<sup>°</sup>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<sup>°</sup>C

Recognized Component, CSA C22.2 No. 0.6, CSA Flammability Classification: 0.6HB at 0.86mm  
Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-APEX-4101-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-4101-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 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	76	76	15 seconds; ASTM D2240
Tensile Strength at Break	11.0 MPa	1590 psi	ASTM D638
Elongation at Break	320 %	320 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 <sup>°</sup> C	140 <sup>°</sup> F	Continuous Use; ASTM D794
Brittleness Temperature	-43.0 <sup>°</sup> C	-45.4 <sup>°</sup> F	ASTM D746
UL RTI, Electrical	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 0.810 mm	@Thickness 0.0319 in	
UL RTI, Mechanical without Impact	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
Flammability, UL94	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 0.810 mm	@Thickness 0.0319 in	
Flammability, UL94	V-2	V-2	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

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	60 - 120 sec @Thickness 3.00 mm	60 - 120 sec @Thickness 0.118 in	UL 746
High Amp Arc Ignition, HAI	30 - 60 arcs @Thickness 3.00 mm	30 - 60 arcs @Thickness 0.118 in	UL 746

Processing Properties	Metric	English	Comments
Melt Temperature	177 Â°C	350 Â°F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Opaque	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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