

## Teknor Apex APEX<sup>®</sup> 76-5179-B Polyvinyl Chloride, Flexible

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

### Material Notes:

Notes: 80<sup>°</sup>C General Purpose; RoHS Compliant Features: Flame Retardant Uses: Wire and Cable Applications Forms: Pellets Processing

Method: Injection Molding Agency Ratings: UL QMF22 .E54709 Additional Information: Temperature Rating: 80<sup>°</sup>C Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-APEX-76-5179-B-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-76-5179-B-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 - 0.018 cm/cm	0.015 - 0.018 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	15 seconds; ASTM D2240
Tensile Strength at Break	10.7 MPa	1550 psi	ASTM D638
Elongation at Break	480 %	480 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 <sup>°</sup> C	176 <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 1.00 mm	@Thickness 0.0394 in	
	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical without Impact	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	90.0 <sup>°</sup> C	194 <sup>°</sup> F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
Flammability, UL94	V-2	V-2	
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	V-2	V-2	
	@Thickness 3.00 mm	@Thickness 0.118 in	

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

Processing Properties	Metric	English	Comments
Melt Temperature	166 Â°C	330 Â°F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Opaque	

## Contact Songhan Plastic Technology Co.,Ltd.

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