

## Teknor Apex APEX<sup>®</sup> 6500-80 Polyvinyl Chloride, Flexible

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible 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-6500-80-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-6500-80-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 seconds; ASTM D2240
Tensile Strength at Break	17.0 MPa	2460 psi	ASTM D638
Elongation at Break	340 %	340 %	ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-29.0 °C	-20.2 °F	ASTM D746
UL RTI, Electrical	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
UL RTI, Mechanical with Impact	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
UL RTI, Mechanical without Impact	50.0 °C @Thickness 1.50 mm	122 °F @Thickness 0.0591 in	UL 746
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
Oxygen Index	23 %	23 %	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	179 °C	355 °F	Processing Temperature

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

## Contact Songhan Plastic Technology Co.,Ltd.

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