

## Teknor Apex APEX<sup>®</sup> 01-A0383A-85 Polyvinyl Chloride, Flexible

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

### Material Notes:

Notes: 105<sup>°</sup>C Insulation; RoHS Compliant Uses: Wire and Cable Applications Forms: Pellets Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-APEX-01-A0383A-85-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-01-A0383A-85-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	15 seconds; ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	310 %	310 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 <sup>°</sup> C	221 <sup>°</sup> F	Continuous Use; ASTM D794
Brittleness Temperature	-25.0 <sup>°</sup> C	-13.0 <sup>°</sup> F	ASTM D746
Oxygen Index	26 %	26 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.70e+11 ohm-cm @Temperature 50.0 <sup>°</sup> C	2.70e+11 ohm-cm @Temperature 122 <sup>°</sup> F	ASTM D257
Dielectric Constant	3.27 @Frequency 1.00e+6 Hz	3.27 @Frequency 1.00e+6 Hz	ASTM D150
Dissipation Factor	0.080 @Frequency 1.00e+6 Hz	0.080 @Frequency 1.00e+6 Hz	ASTM D150

Descriptive Properties	Value	Comments
Appearance	Opaque	

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