

## Teknor Apex APEX<sup>®</sup> 84451 Polyvinyl Chloride, Flexible

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

### Material Notes:

Notes: 105<sup>°</sup>C General Purpose; RoHS Compliant Uses: Wire and Cable ApplicationsForms: PelletsInformation Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-APEX-84451-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-84451-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 seconds; ASTM D2240
Tensile Strength at Break	16.8 MPa	2440 psi	ASTM D638
Elongation at Break	340 %	340 %	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	-9.00 <sup>°</sup> C	15.8 <sup>°</sup> F	ASTM D746
Oxygen Index	27 %	27 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.50e+10 ohm-cm @Temperature 50.0 <sup>°</sup> C	6.50e+10 ohm-cm @Temperature 122 <sup>°</sup> F	ASTM D257
Dielectric Constant	3.76	3.76	ASTM D150
	5.31	5.31	ASTM D150
Dissipation Factor	0.051	0.051	ASTM D150
	0.11	0.11	ASTM D150

Descriptive Properties	Value	Comments
Appearance	Opaque	

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