

## Teknor Apex APEX<sup>®</sup> 80873 Polyvinyl Chloride, Semi-Rigid

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible Grade

### Material Notes:

Notes: 105<sup>°</sup>C Insulation; RoHS Compliant Features: Semi-rigid Uses: Insulation; Automotive Electronics Agency Ratings: UL 1063; UL 1581; UL 83; SAE J1128 Forms: Pellets Wire Types: THHN; THW; TW; TFFN; THWN; GPT; AWM Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-APEX-80873-Polyvinyl-Chloride-Semi-Rigid.php](http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-80873-Polyvinyl-Chloride-Semi-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	83	83	10 seconds; ASTM D2240
Tensile Strength at Break	24.5 MPa	3550 psi	ASTM D638
Elongation at Break	320 %	320 %	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	-13.0 <sup>°</sup> C	8.60 <sup>°</sup> F	ASTM D746
Oxygen Index	27 %	27 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.89	2.89	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	3.59	3.59	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.035	0.035	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	0.061	0.061	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
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Appearance

Descriptive Properties	Optique Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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