

# APEX® 4101

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Connectors • Grommets	• Plugs • Strain Reliefs	• Wire & Cable Applications
Wire Types	• Molded Components		
Agency Ratings	• UL QMFZ2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.012	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1590	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	140	°F	ASTM D794
Brittleness Temperature	-29.2	°F	ASTM D746
RTI Elec			UL 746
0.03 in	194	°F	
0.12 in	194	°F	
RTI Str			UL 746
0.03 in	194	°F	
0.12 in	194	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (0.118 in)	PLC 0		UL 746
High Amp Arc Ignition (HAI) (0.12 in)	PLC 2		UL 746
Hot-wire Ignition (HWI) (0.12 in)	PLC 1		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.03 in	V-2		
0.12 in	V-2		
Oxygen Index	26	%	ASTM D2863

### Additional Information

Strain relief Grommets  
 Temperature Rating: 60 °C  
 Recognized Component, CSA C22.2 No. 0.6, CSA Flammability Classification: 0.6V-2 @ 0.86 mm



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### Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	350	°F

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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