

# APEX® 4101

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

## 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
Density / 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			ASTM D2240
Shore A, 15 sec, Hand Held	76		
Shore A, 15 sec, Operating Stand	71		
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

Revision Date: 4/24/2019

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#### 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

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##### Injection

**Nominal Value Unit**

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Processing (Melt) Temp	350	°F
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#### Notes

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

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