

APEX® 4020

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
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 ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.012	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2550	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	29000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	23.0	°F	ASTM D794
Brittleness Temperature	23.0	°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	V-0		UL 94
0.03 in	V-0		
0.12 in	V-0		
Oxygen Index	31.8%		ASTM D2863
Additional Information			
Temperature Rating: 60 °C			
Recognized Component, CSA C22.2 No. 0.6, CSA Flammability Classification: 0.6V-0 @ 0.84 mm			



Revision Date: 12/12/2013

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Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	380	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

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