+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

APEX® 1013

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

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 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
Density / Specific Gravity	1.39		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.012	in/in	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	2800	psi	ASTM D638
Tensile Elongation (Break)	280	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore C, 10 sec)	77		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	140	°F	ASTM D794
Brittleness Temperature	10.4	°F	ASTM D746
RTI Elec			UL 746
0.04 in	194	°F	
0.06 in	194	°F	
0.12 in	194	°F	
RTI Str			UL 746
0.04 in	176	°F	
0.06 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 1		UL 746
Hot-wire Ignition (HWI) (0.12 in)	PLC 1		UL 746
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.04 in	HB		
0.06 in	HB		
0.12 in	HB		
Oxygen Index	25	%	ASTM D2863

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Additional Information
Plugs
Temperature Rating: 60 °C
Recognized Component, CSA C22.2 No. 0.6, CSA Flammability Classification: 0.6HB @ 0.88 mm

Processing Information

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

Notes

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