

APEX® 1003

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 1003 is a flexible polyvinyl chloride material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

APEX® The main features of the 1003 are:

- flame retardant/rated flame
- ROHS certification

Typical application areas include:

- Wire and cable
- engineering/industrial accessories
- Electrical/electronic applications

General Information			
UL YellowCard	E54709-245314	E142591-543067	
Uses	Plug		
	Washer		
	Connector		
	Fatigue elimination supplies		
Wire Types	Molded member		
Agency Ratings	UL QMFZ2 .E54709		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 - 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.7	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	60.0	°C	ASTM D794
Brittleness Temperature	-35.0	°C	ASTM D746
RTI Elec			UL 746
0.890 mm	90.0	°C	UL 746
1.40 mm	90.0	°C	UL 746
3.00 mm	90.0	°C	UL 746
RTI			UL 746

0.890 mm	80.0	°C	UL 746
1.40 mm	90.0	°C	UL 746
3.00 mm	90.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (3.00 mm)	PLC 0		UL 746
High Amp Arc Ignition (HAI) (3.00 mm)	PLC 1		UL 746
Hot-wire Ignition (HWI) (3.00 mm)	PLC 2		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.890 mm	HB		UL 94
1.40 mm	HB		UL 94
3.00 mm	HB		UL 94
Oxygen Index	24	%	ASTM D2863
Additional Information			
电缆卡子索扣温度额定值:60°C认证部件,CSA C22.2 No. 0.6,CSA 可燃性等级:0.6HB @ 0.88 毫米			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	179	°C	

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