

APEX® 124

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	• Sunlight Resistant (720 hours) • UV Resistant		
Uses	• Flexible Cord Jacketing • Military Cable Jacketing • Irrigation Cable Jacketing • Wire & Cable Applications		
Wire Types	• SJTW	• SRDT	• STW
Agency Ratings	• MIL C-17-D Type I	• MIL C-2194-D	• UL QMTT2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2300	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-36.4	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

Additional Information

- UL Recognized Component as PVC 300 Hour Sunlight Resistant Jacket Compound, QMTT2.
- UL Recognized Component as PVC 720 Hour Sunlight Resistant Insulation and Jacket Compounds, QMTT2.
- UL Recognized Component as Irrigation Cable Jacket Compound, QMTT2.
- Temperature Rating: 80 °C
- UL Sunlight Resistance Recognition: 720 hr
- Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 4 hr, 70°C: 80 %
- Tensile Strength Retained, UL 1581, ASTM #2 Oil, 4 hr, 70°C: 94 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F

Notes

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



Revision Date: 12/12/2013

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