

APEX® 4124

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	• Sunlight Resistant (720 hours)	• UV Resistant	
Uses	• Appliance Wire Jacketing	• Irrigation Cable Jacketing	• Wire & Cable Applications
Wire Types	• UL Style 2464	• UL Style 2560	• UL Style 2723
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	350	%	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	25	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 113°C: 87 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 113°C: 102 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F

Notes

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