



APEX® 310

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Oil Resistant		
Uses	• Flexible Cord Jacketing	• Liquid Tight Conduit Jacketing	
Wire Types	• SJT	• SRDT	• ST
Agency Ratings	• UL 360		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.29		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2780	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	87		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-11.2	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863

Additional Information

Flexible conduit jackets
Temperature Rating: 80 °C
UL Sunlight Resistance Recognition: No
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 100 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 100 %
Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 79 %
Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 1002 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	360	°F

Notes

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