



APEX® 78-A272-A

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	• Flame Retardant		
Uses	• Cable Jacketing		
Wire Types	• CL2	• CL3	• CMP
Agency Ratings	• NEC Article 725	• NEC Article 800	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2560	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	84		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-25.6	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

Additional Information

Temperature Rating: 90 °C
 UL Sunlight Resistance Recognition: No
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 121°C: 80 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 121°C: 107 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F

Notes

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