



APEX® 586

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	• General Purpose		
Uses	• Tubing	• Wire Jacketing	
Wire Types	• SPT-1	• SPT-2	
Agency Ratings	• UL 498	• UL 62	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2750	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	122	°F	ASTM D794
Brittleness Temperature	-20.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+11	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863

Additional Information

Speaker wire
Prime suggestion
Temperature Rating: 60 °C
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 77 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 108 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	360	°F

Notes

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