

APEX® 93-A0591C-97

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
Uses	• Transportation Wire Insulation		
Wire Types	• GPT		
Agency Ratings	• SAE J1128		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2670	psi	ASTM D638
Tensile Elongation (Break)	290	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	72		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-0.400	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

Additional Information

Temperature Rating: 105 °C
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 93 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 95 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	375	°F

Notes

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