



APEX® 81-D322-D

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	• Fungus Resistant	• Oil Resistant	
Uses	• Military Applications	• Tubing	
Agency Ratings	• MIL I-631-D, Grade C, Class II, Category II, Form U, Type F		
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)	2800	psi	ASTM D638
Tensile Elongation (Break)	360	%	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	194	°F	ASTM D794
Brittleness Temperature	-22.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863

Additional Information

Temperature Rating: 90 °C

Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 85 %

Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 102 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	360	°F

Notes

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