



APEX® 302

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	• Low Hardness	• Low Temperature Flexibility
Uses	• Military Cable Insulation	• Retractable Cord Insulation	
Agency Ratings	• MIL I-3930-C		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

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)	2250	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	74		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-50.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.8E+11	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 100 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 102 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	345	°F

Notes

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