

# APEX® 60001

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

Saturday, September 14, 2024

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Flame Retardant	• Semi Rigid	
Uses	• Communication Wire Insulation • Electronic Insulation	• Flame Retardant Insulation • Insulation	• Riser Rated Communications Cable Insulation
Wire Types	• AWM • CAT-3 • CL2	• CL2R • CL3 • CL3R	• CM • CMR • CMX
Agency Ratings	• UL 13	• UL 444	• UL 758
Regulatory Statement	• Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS.		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Wire & Cable Extrusion		

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	24.1	MPa	ASTM D638
Tensile Elongation (Break)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	60.0	°C	ASTM D794
Brittleness Temperature	-12.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.9E+11	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
	1 kHz	3.63	
	1 MHz	2.89	
Dissipation Factor			ASTM D150
	1 kHz	0.071	
	1 MHz	0.037	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

### Additional Information

Data Sheet Applies to Color Listed Below:  
Natural (0109715)

10/19-1c

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

Revision Date: 5/22/2024

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## Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

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