

APEX® 80862

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

Friday, August 30, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Heat Resistance	• Semi Rigid	
Uses	• Cable Jacketing	• Insulation	
Agency Ratings	• UL 1061	• UL 1424	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3500	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-22.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.4E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	3.41		
1 MHz	2.87		
Dissipation Factor			ASTM D150
1 kHz	0.050		
1 MHz	0.028		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

Additional Information

Data Sheet Applies to Color(s) Listed Below:

Natural (0114636, 014463651)

Natural 14 (0116618, 011661851)

Notes

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

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