



APEX® 70011

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Flame Retardant • Low Temperature Impact Resistance	• Low Temperature Resistant • Oil Resistant	• Plasticized
Uses	• Appliance Wire Jacketing • Cable Jacketing • Electrical/Electronic Applications	• Electronic Cable Jacketing • Flame Retardant Jacketing • Flexible Jacketing	• Industrial Cable Jacketing • Jacketing
Wire Types	• AWM • CL2 • CL3 • CM	• CMG • FPL • FT-4 • ITC	• OFN • PLTC
Agency Ratings	• UL 1277 • UL 13 • UL 1685	• UL 758 • UL CL2 • UL I Oil Rating	• UL II Oil Rating
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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, Hand Held)	84		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-54.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (122°F)	2.9E+11	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.85		
1 MHz	3.86		
Dissipation Factor			ASTM D150
1 kHz	0.077		
1 MHz	0.075		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863

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Additional Information

Capable of Passing Oil Rating:

- 4 days @ 100C UL1277
- 60 days @ 75C UL1277

Data Sheet Applies to Colors Listed Below:

Natural (1126182)

Black 1 (1138163)

11/19-lc

Notes

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