



APEX® 80842

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Electrically Insulating • Low Temperature Resistant	• Oil Resistant • Plasticized	• Sunlight Resistant (720 hours)
Uses	• Appliance Wire Insulation • Appliance Wire Jacketing • Cable Jacketing	• Electronic Cable Jacketing • Flexible Cord Jacketing • Flexible Jacketing	• Insulation • Jacketing • Low Voltage Insulation
Wire Types	• AWM • SJT	• SJTW • STW	• VW-1
Agency Ratings	• UL 62	• UL 758	• UL QMTT2
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	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, Hand Held)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-23.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.15		
1 MHz	3.09		
Dissipation Factor			ASTM D150
1 kHz	0.094		
1 MHz	0.079		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

Additional Information

Data Sheet Applies to Color Listed Below:
Natural (0117817)

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