

APEX® 80328-Y FR

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant • Sunlight Resistant (720 hours) • UV Resistant		
Uses	• Cable Jacketing • Insulation		
Wire Types	• TW		
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2150	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	-20.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.9E+12	ohms-cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.12		
1 MHz	3.56		
Dissipation Factor			ASTM D150
1 kHz	0.073		
1 MHz	0.065		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

Notes

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

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