



APEX® 80118-Y

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• UV Resistant		
Uses	• Cable Jacketing	• Insulation	
Wire Types	• TW		
Agency Ratings	• UL 1063 • UL 1581	• UL 62 • UL 83	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2550	psi	ASTM D638
Tensile Elongation (Break)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	86		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	140	°F	ASTM D794
Brittleness Temperature	-18.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	5.39		
1 MHz	3.46		
Dissipation Factor			ASTM D150
1 kHz	0.089		
1 MHz	0.079		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

Notes

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