

# FLEXALLOY® 9605-70FR

Teknor Apex Company - Polyvinyl Chloride Elastomer

Sunday, August 25, 2019

## General Information

### General

Material Status	<ul style="list-style-type: none"><li>Commercial: Active</li></ul>		
Availability	<ul style="list-style-type: none"><li>Africa &amp; Middle East</li><li>Asia Pacific</li></ul>	<ul style="list-style-type: none"><li>Europe</li><li>Latin America</li></ul>	<ul style="list-style-type: none"><li>North America</li></ul>
Features	<ul style="list-style-type: none"><li>Flame Retardant</li><li>High Heat Resistance</li></ul>	<ul style="list-style-type: none"><li>Low Temperature Flexibility</li><li>Sunlight Resistant (720 hours)</li></ul>	
Uses	<ul style="list-style-type: none"><li>Cable Jacketing</li></ul>		
Wire Types	<ul style="list-style-type: none"><li>SEOW</li><li>SEW</li><li>SJEOW</li></ul>	<ul style="list-style-type: none"><li>SJEW</li><li>STEOW</li><li>STEW</li></ul>	<ul style="list-style-type: none"><li>VW-1</li></ul>
Agency Ratings	<ul style="list-style-type: none"><li>UL Class 11</li><li>UL Class 12</li></ul>	<ul style="list-style-type: none"><li>UL Class 36</li><li>UL Class 43</li></ul>	<ul style="list-style-type: none"><li>UL QMTT2</li></ul>
RoHS Compliance	<ul style="list-style-type: none"><li>RoHS Compliant</li></ul>		
Appearance	<ul style="list-style-type: none"><li>Opaque</li></ul>		
Forms	<ul style="list-style-type: none"><li>Pellets</li></ul>		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1630	psi	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-45.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	7.04		
1 MHz	4.49		
Dissipation Factor			ASTM D150
1 kHz	0.098		
1 MHz	0.14		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

### Additional Information

Data Sheet Applies to Color(s) Listed Below:  
Natural (0112425)

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

Revision Date: 8/13/2019

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