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TEKNOR APEX

Flexalloy® 9605-70FR

Teknor Apex Company - Polyvinyl Chloride Elastomer

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant • High Heat Resistance	• Low Temperature Flexibility • Sunlight Resistant (720 hours)	
Uses	• Cable Jacketing		
Wire Types	• SEOW • SEW • SJEOW	• SJEW • STEOW • STEW	• VW-1
Agency Ratings	• UL Class 11 • UL Class 12	• UL Class 36 • UL Class 43	• UL QMTT2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
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

Notes

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