



GW series 2409-VW1 NAT 50 LCF

Alphagary - Semi-Rigid Polyvinyl Chloride

General Information

Product Description

A 105°C RATED, LEAD FREE, HIGH GRADE, SEMI-RIGID FOR UL STYLE 1061 CSA-SR-PVC AND MIL-W-16878.

General

Features	<ul style="list-style-type: none"> Flame Retardant Low (to None) Lead Content
Uses	<ul style="list-style-type: none"> Insulation
Agency Ratings	<ul style="list-style-type: none"> CSA MIL W-16878
Appearance	<ul style="list-style-type: none"> Natural Color
Processing Method	<ul style="list-style-type: none"> Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.29		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.0100 in	4200	psi	
0.0750 in	3300	psi	
Tensile Elongation			ASTM D412
Break, 0.0100 in	230	%	
Break, 0.0750 in	250	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, Instant	68		
Shore D, 15 sec	53		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-0.400	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	4.0	%	UL Unspecified
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-9.0	%	UL Unspecified
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Constant (73°F, 100 MHz)	2.70		ASTM D150
Dissipation Factor (73°F, 100 MHz)	0.015		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	29	%	ASTM D2863

Notes

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

² F50

³ Thickness: 10 mil