

Alpha PVC GW 2409-VW1 NAT 50 LCF

Semi-Rigid Polyvinyl Chloride

AlphaGary

Message:

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

General Information			
Features	Low (to no) lead content		
	Flame retardancy		
Agency Ratings	CSA not rated		
	MIL W-16878		
	UL 1061		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27 - 1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	65 - 71		ASTM D2240
Shaw D, 15 seconds	50 - 56		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.254 mm	29.0	MPa	ASTM D412
1.91 mm	22.8	MPa	ASTM D412
Tensile Elongation			ASTM D412
Fracture, 1.91mm	250	%	ASTM D412
Fracture, 0.254mm	230	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (136°C, 168 hr)	4.0	%	UL Unspecified
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-9.0	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Constant (23°C, 100 MHz)	2.70		ASTM D150

Dissipation Factor (23°C, 100 MHz)	0.015		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	29	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	171	°C	
Cylinder Zone 2 Temp.	177	°C	
Cylinder Zone 3 Temp.	182	°C	
Cylinder Zone 4 Temp.	188	°C	
Cylinder Zone 5 Temp.	188	°C	
Adapter Temperature	188	°C	
Melt Temperature	188	°C	
Die Temperature	188	°C	
Extrusion instructions			
Screw Design: Standard metering screw with screw cooling. Cooling water exit temperature at 100 degrees F.Maddock mixing screwTo maximize physical properties use hot water at 150 degrees F in cooling trough			
NOTE			
1.	Thickness: 10 mil		
2.	Thickness: 10 mil		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT