

Alpha PVC GW 2403-1-VW1 NATURAL

105-LCF

Polyvinyl Chloride

AlphaGary

Message:

A HIGH QUALITY, LEAD FREE, LOW TEMPERATURE, FLAME RETARDED, OIL & SUNLIGHT RESISTANT, 105C DEGREE JACKETING COMPOUND FOR TRAY CABLE APPLICATIONS.

General Information			
Features	Low (to no) lead content		
	Good UV resistance		
	Oil resistance		
	Flame retardancy		
Uses	Cable sheath		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 - 1.38	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	90 - 96		ASTM D2240
Shaw A, 15 seconds	84 - 90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.762 mm	17.9	MPa	ASTM D412
1.91 mm	15.9	MPa	ASTM D412
Tensile Elongation			ASTM D412
Fracture, 1.91mm	320	%	ASTM D412
Fracture, 0.762mm	300	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (136°C, 168 hr)	0.0	%	UL Unspecified
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-20	%	UL Unspecified
Change in Tensile Strength ³ (70°C, 4 hr, in ASTM #2 Oil)	-10	%	UL Unspecified

Change in Ultimate Elongation ⁴ (70°C, 4 hr, in ASTM #2 Oil)	-20	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (70°C)	6.0E+11	ohms·cm	ASTM D257
Dielectric Constant (23°C, 100 MHz)	2.95		ASTM D150
Dissipation Factor (23°C, 100 MHz)	0.023		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.813 mm)	V-0		UL 94
Oxygen Index (3.18 mm)	28	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	171	°C	
Melt Temperature	168 - 174	°C	
Die Temperature	171	°C	
Extrusion instructions			
Screw Design:A) Standard PVC Metering Screw, 3.0:1 CompressionB) Barrier Mixing ScrewC) Maddock Mixing Screw			
NOTE			
1.	Thickness: 30 mil		
2.	Thickness: 30 mil		
3.	Thickness: 40 mil		
4.	Thickness: 40 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