

Alpha PVC GW 2038-A-VW1 NAT LCF

Polyvinyl Chloride

AlphaGary

Message:

A LEAD FREE, 80°C RATED, FLAME RETARDED JACKETING COMPOUND WITH GOOD LOW TEMPERATURE PROPERTIES FOR COMMUNICATIONS AND RISER CABLE APPLICATIONS.

General Information			
Features	Low (to no) lead content		
	Flame retardancy		
Uses	Insulation of communication cable in riser		
	Communication wire insulation material		
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, 15 seconds	89 - 95		ASTM D2240
Shaw D	57 - 63		ASTM D2240
Shaw D, 15 seconds	41 - 47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.762 mm	21.4	MPa	ASTM D412
1.91 mm	20.0	MPa	ASTM D412
Tensile Elongation			ASTM D412
Fracture, 1.91mm	300	%	ASTM D412
Fracture, 0.762mm	250	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	31	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	166	°C	
Cylinder Zone 3 Temp.	171	°C	

Cylinder Zone 4 Temp.	177	°C
Cylinder Zone 5 Temp.	177	°C
Adapter Temperature	177	°C
Melt Temperature	174 - 179	°C
Die Temperature	177	°C

Extrusion instructions

Screw Design: PVC Metering, Maddock Mixing or Barrier

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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

