

Alpha PVC GW 3026 NAT.LCF

Polyvinyl Chloride

AlphaGary

Message:

A 60°C OR 75°C RATED, LEAD FREE, HIGH QUALITY, HIGHLY FLAME RETARDED JACKETING COMPOUND.

General Information			
Features	Flame Retardant		
	Low (to None) Lead Content		
Uses	Cable Jacketing		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46 to 1.50	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	91 to 97		
Shore D	59 to 65		
Shore D, 15 sec	43 to 49		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.610 mm	18.6	MPa	
1.91 mm	17.2	MPa	
Tensile Elongation			ASTM D412
Break, 1.91 mm	240	%	
Break, 0.610 mm	230	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹			UL Unspecified
100°C, 168 hr	10	%	
100°C, 240 hr	-1.0	%	
Change in Ultimate Elongation in Air ²			UL Unspecified
38°C, 168 hr	5.0	%	
100°C, 240 hr	-17	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	3.30		ASTM D150

Dissipation Factor (23°C, 100 MHz)	0.022		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	40	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	143	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	163	°C	
Cylinder Zone 4 Temp.	168	°C	
Cylinder Zone 5 Temp.	174	°C	
Adapter Temperature	174	°C	
Melt Temperature	174 to 177	°C	
Die Temperature	174	°C	
NOTE			
1.	Thickness: 24 mil		
2.	Thickness: 24 mil		

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