

Alpha PVC GM 8017 NATURAL

Polyvinyl Chloride

AlphaGary

Message:

A LEAD AND CADMIUM FREE, FLAME RETARDANT, 105C DEGREE, UL94 V-0 OR V-2 RATED, NON-MIGRATING, ELECTRICAL GRADE, SEMI-RIGID MOLDING COMPOUND.

General Information			
Features	Semi Rigid		
	Low (to no) lead content		
	Calcium content, low (to none)		
	Mobility Low to None		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 - 1.40	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	52 - 58		ASTM D2240
Shaw D, 15 seconds	35 - 41		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (1.91 mm)	13.1	MPa	ASTM D412
Tensile Elongation (Break, 1.91 mm)	150	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-3.00	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	5.0E+13	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-2		UL 94
3.00 mm	V-0		UL 94
Oxygen Index (3.18 mm)	28	%	ASTM D2863
Injection	Nominal Value	Unit	
Rear Temperature	166	°C	
Middle Temperature	171	°C	

Front Temperature	177	°C
Nozzle Temperature	177	°C
Processing (Melt) Temp	177 - 182	°C

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Recommended distributors for this material

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