

S&E; Wire & Cable GA-1050-OR3-LF

Polyvinyl Chloride
S&E; Specialty Polymers, LLC

Message:
Lead free, 105° C PVC insulating compound designed for SJEOO applications. Complies with RoHS requirements.

General Information			
Features	Low (to None) Lead Content		
Uses	Wire & Cable Applications		
Wire Types	SJEO		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27 to 1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	86		
Shore A, 3 sec	75 to 81		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	9.65	MPa	ASTM D412
Tensile Strength (Yield)	17.8	MPa	ASTM D412
Tensile Elongation (Break)	380	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			UL Unspecified
60°C, 168 hr	-12	%	
136°C, 168 hr	-12	%	
Change in Ultimate Elongation in Air			UL Unspecified
60°C, 168 hr	9.0	%	
136°C, 168 hr	4.0	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-24.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
25°C ¹	2.0E+14	ohms · cm	
25°C ²	5.0E+14	ohms · cm	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863
NOTE			
1.	Wet		
2.	Dry		

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