

AuroraFlex™ GA-1050-OR3LF

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*
General Information
Product Description

A 105°C PVC based, lead free TPE insulating compound designed for SJEOO applications. GA-1050-OR3LF is compliant with the RoHS Directive.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Low (to None) Lead Content
Uses	• Insulation
RoHS Compliance	• RoHS Compliant

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27 to 1.36		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1800	psi	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75 to 81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-11.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
140°F, 168 hr, in Oil	9.0	%	
277°F, 168 hr	4.0	%	
Change in Ultimate Elongation			UL Unspecified
140°F, 168 hr, in Oil	-12	%	
277°F, 168 hr	-12	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.8E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

Notes
¹ Typical properties: these are not to be construed as specifications.
