

## AuroraFlex™ 5062LS

Aurora Material Solutions, LLC - Polyvinyl Chloride

### General Information

#### Product Description

A 90°C rated , highly flame retardant jacketing and insulation compound with good low temperature properties.

Note: Additional custom color matching is available upon request.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Flame Retardant	• Low Temperature Toughness	
Uses	• Insulation	• Jacketing	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44 to 1.50		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	1800	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	47 to 53		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature <sup>2</sup>	-25.6	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			
158°F, 4 hr, in ASTM #2 Oil	-6.0	%	ASTM D412
250°F, 168 hr	-4.0	%	
Change in Ultimate Elongation			
158°F, 4 hr, in ASTM #2 Oil	-31	%	ASTM D412
250°F, 168 hr	-18	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	43	%	ASTM D2863

### Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300 to 345	°F
Cylinder Zone 2 Temp.	300 to 345	°F
Cylinder Zone 3 Temp.	300 to 345	°F
Cylinder Zone 4 Temp.	300 to 345	°F
Melt Temperature	320 to 330	°F
Die Temperature	350 to 355	°F

