

## AuroraFlex™ LVP-163VPVC

Aurora Material Solutions, LLC - Polyvinyl Chloride

### General Information

#### Product Description

A 75°C rated , PVC based 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
Features	• Low Temperature Toughness
Uses	• Insulation
Appearance	• Colors Available

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.38 to 1.44		ASTM D792
<b>Elastomers</b>			
Tensile Strength	3000	psi	ASTM D412
Tensile Elongation (Break)	270	%	ASTM D412
<b>Hardness</b>			
Durometer Hardness (Shore D, 15 sec)	43 to 49		ASTM D2240
<b>Thermal</b>			
Brittleness Temperature	5.00	°F	ASTM D746
<b>Aging</b>			
Change in Tensile Strength (235°F, 168 hr)	7.0	%	
Change in Ultimate Elongation (235°F, 168 hr)	-17	%	
<b>Flammability</b>			
Oxygen Index	31	%	ASTM D2863

### Processing Information

	Nominal Value	Unit
<b>Extrusion</b>		
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
Cylinder Zone 5 Temp.	300 to 345	°F
Melt Temperature	320 to 330	°F
Die Temperature	350 to 355	°F

