

**AuroraFlex™ GA 3188AHP**

Aurora Material Solutions, LLC - Flexible Polyvinyl Chloride

**General Information**
**Product Description**

A 105°C flame retardant PVC based compound suitable for extrusion applications with no intentionally added phthalates.

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• No Intentionally Added Phthalates
Uses	• Wire & Cable Applications
Appearance	• Colors Available
Processing Method	• Extrusion

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
175°C/20.0 kg <sup>2</sup>	4.0 to 11	g/10 min	
175°C/20.0 kg <sup>3</sup>	5.5 to 14	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance <sup>4</sup> (5.0 Cycles)	< 800	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2500	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength	400	lbf/in	ASTM D1004
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	5.00	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (212°F, 96 hr, in Oil)	6.0	%	UL 1581
Change in Ultimate Elongation (212°F, 96 hr, in Oil)	-22	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94
Oxygen Index <sup>5</sup>	28	%	ASTM D2863

**Processing Information**

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	340	°F
Cylinder Zone 4 Temp.	350	°F
Melt Temperature	345 to 365	°F
Die Temperature	355	°F

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Black

<sup>3</sup> Colors

<sup>4</sup> H-15 wheels

<sup>5</sup> Value is intended for reference only
