

AuroraGuard™ FS 1200H

Aurora Material Solutions, LLC - *Semi-Rigid Polyvinyl Chloride*

General Information

Product Description

A low smoke, highly flame-retardant PVC jacket and insulation compound designed for Plenum cable applications. The compound is designed for 90°C applications and capable of passing a -20°C cold bend.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Low Smoke Emission
Uses	• Wire & Cable Applications
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.61		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	1800	psi	ASTM D412
Tensile Strength ² (Break)	2500	psi	ASTM D412
Tensile Elongation ² (Break)	180	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	66		ASTM D2240
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ³	47	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	335	°F
Melt Temperature	335	°F
Die Temperature	340 to 345	°F

Extrusion Notes

Screw Design: General Purpose PVC
Screen packs: 40 or 20/40

Notes

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

² Performed on 20mil dog bones

³ Value is intended for reference only

