

AuroraGuard™ FS 1000H

Aurora Material Solutions, LLC - *Semi-Rigid Polyvinyl Chloride*
General Information
Product Description

A low smoke generating, highly flame-retardant PVC jacketing and low voltage insulation compound designed for 90°C Plenum cable applications.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.59		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1800	psi	ASTM D638
Tensile Strength	2500	psi	ASTM D412
Tensile Elongation (Break)	200	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Instant)	66		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Cold Bend	-4	°F	UL 1581
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (Method A (Short-Time))	900	V/mil	ASTM D149
Dielectric Constant (73°F, 1 MHz)	3.68		ASTM D150
Dissipation Factor (73°F, 1 MHz)	0.028		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ²	48	%	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.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 350	°F

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

² Value is intended for reference only
