

# S&E; Wire & Cable FS-1000H

Polyvinyl Chloride  
S&E; Specialty Polymers, LLC

Message:

RoHS compliant. Lead-free, low smoke generating, highly flame retardant jacketing and insulation compound designed for Plenum cable application. Compound exhibits excellent processability and electrical properties. FS-1000H is AOM free alloy.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
	Good Processability		
	Low (to None) Lead Content		
	Low Smoke Emission		
Uses	Plenum Cable Jacketing		
	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56 to 1.62	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63 to 69		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 17.2	MPa	ASTM D412
Tensile Elongation (Break)	> 150	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Cold Bend	-20	°C	UL 1581
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 1 MHz)	3.68		ASTM D150
Dissipation Factor (23°C, 1 MHz)	0.028		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	51 to 54	%	ASTM D2863

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