

S&E Specialty Polymers FS-1000H PVC

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Uncompounded

Material Notes:

Application: 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. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-FS-1000H-PVC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 - 1.62 g/cc	1.56 - 1.62 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63 - 69	63 - 69	ASTM D2240
Tensile Strength	>= 17.2 MPa	>= 2490 psi	ASTM D412
Elongation at Break	>= 150 %	>= 150 %	ASTM D412

Thermal Properties	Metric	English	Comments
Oxygen Index	50.5 - 52.5 %	50.5 - 52.5 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.68	3.68	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.278	0.278	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Cold Flex	-20°C	UL 1581

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