

S&E Specialty Polymers TufShield™ FS-1000H-UVFG Insulating Compound

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Application: A UV and fungus resistant 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-1001H-UVFG is RoHS compliant. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufShield-FS-1000H-UVFG-Insulating-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.59 g/cc	1.59 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65.0	65.0	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	49.0 - 51.0 %	49.0 - 51.0 %	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	
Dielectric Strength	35.4 kV/mm	900 kV/in	Method A; ASTM D149
Dissipation Factor	0.0278	0.0278	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

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