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Voltoid V-090

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Typical Data Sheet

Voltoid V-090

Electrical Barrier Material

Description:

Voltoid® V-090 is a flame resistant electrical barrier material including a blend of organic and inorganic fibers, inorganic fillers, and a proprietary latex binder. It has a Glow Wire rating of 900°C and a flame rating meeting UL 94 5VA, making it suitable for use in demanding fire resistant applications. Typical properties listed are for 0.4mm gauge, except where noted.

Property:	Specification:	Method:
Dielectric Strength, Volts/mil.	105	ASTM D 149
Glow Wire Ignitability (GWIT), °C	900	UL 746 A
Arc Resistance, seconds	138	ASTM D 495
Comparative Tracking Index, (CTI), volts	2	ASTM D 3638
Flammability Class	5VA	UL 94
Relative Temperature Index, Electrical (°C)	115 (0.4mm gauge), 140 (0.8mm gauge)	UL 746 C
UL File Number	E215806	
Density, g/cc(lb/cu.ft)	1.04 (65) (min.)	ASTM F 1315
Tensile Strength, MD, MPa(psi)	10 (1500) (min.)	ASTM F 152
Tensile Strength, AMD, MPa(psi)	8 (1150) (min.)	ASTM F 152
Color	Grey	

Remarks and Related Documents:

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.

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