

D-225 FR

Voltoid® Electrical Barrier Material

Description:

D-225 FR is a flame-resistant electrical and mechanical barrier material. It has good physical strength and electrical insulating characteristics, and is intended for formed or flat parts that require resistance to flame.

Typical Properties:

Property	Value	Method
Dielectric Strength, Volts/mil.	175	ASTM D 149
Hot Wire Ignition (HWI), seconds	36	ASTM D 3874
High Ampere Arc Ignition (HAI), # arcs	200	UL 746 A
Arc Resistance, seconds	98	ASTM D 495
Comparative Tracking Index, (CTI), volts	180	ASTM D 3638
Flammability Class	V-0	UL 94
Relative Temperature Index, Electrical (°C)	90	UL 746 C
Relative Temperature Index, Mechanical (°C)	90	UL 746 C
UL File Number	E215806	
Density, g/cc(lb/cu.ft)	1.10 (68.6) (min.)	ASTM F 1315
Tensile Strength, MD, MPa(psi)	66 (9500) (min.)	ASTM F 152
Tensile Strength, AMD, MPa(psi)	48 (7000) (min.)	ASTM F 152
Compressibility, % (at 6.9MPa)	5	ASTM F 36
Fluid Resistance, Distilled Water		ASTM F 146
Change in Weight, %	40	
Color	Mahogany	

Remarks and Related Documents:

Typical values determined by the test methods required for ASTM F-104, Type 3 materials.

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