

Voltoid®

D-800

An excellent material for use under conditions of high humidity

D-800



APPLICATIONS

Circuit Breaker:

Back plate barrier and arc chute insulation.

Power and Distribution Transformers:

Tap changer support, dial insulators, center insulating barrier, coil mounting support insulators, coil forms, horizontal and radial spacers, terminal insulators or lead separators, cable clamps, static plates, and panel stock.

Switches:

Bases and plug socket backing plates.

Flourescent Fixture:

Current carrying, sole support insulation such as lamp holder "monument" backing plates (white or black vinyl coated).

Outdoor HID light Fixtures:

Accessibility barrier and ballast enclosure.

Electric Motor:

End laminate.

Terminal Boards:

Wood laminate replacement.

InterFace
Solutions

Technically Reliable, Cost-Effective Solutions
Available through: Accurate Felt & Gasket
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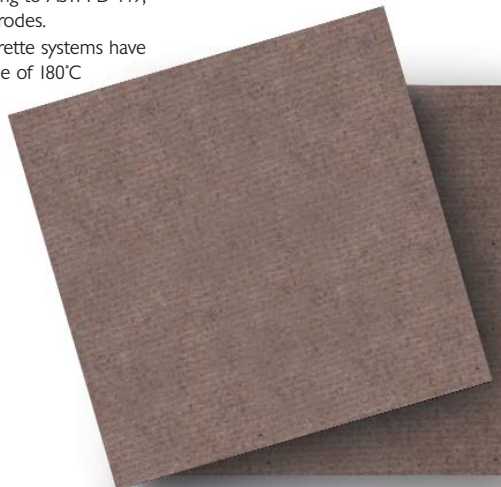
Voltoid® D-800 is a resin-bonded cellulose fiber composite material. The D-800 series of products are specially formulated to provide consistent electrical and mechanical performance under conditions of variable ambient humidity and/or moisture. D-800 is recognized by Underwriters Laboratories for continuous use as an electrical and mechanical barrier to 105°C. It is easily fabricated by being punched and blanked.

Voltoid Typical Data Structural/Electrical Insulation Materials

		Tensile Strength, MD (psi)	Tensile Strength, CD (psi)	UL 94 Flame Class	Relative Temp Index, Electrical (C)	Relative Temp Index, Mechanical (C)	Dielectric Strength Short Term (V/mil)	Thickness	Sheet	Roll	
D-800	High phenolic resin content for mechanical strength and rigidity. Used for support of current carrying components.	1.05	12,000	8,000	HB	105	105	270	0.031" 0.045" 0.062" 0.093" 0.125"	X	
Flame Retardant Materials											
D-100	Widely used in appliances for its economical combination of properties, including UL 94 V-O	1.10	12,000	7,000	V-0	90	90	200	0.031" 0.062" 0.093" 0.125"	X	
D-225	Superior electrical performance and flame retardance in a competitively priced barrier material.	1.10	11,000	7,000	V-0	90	90	225	0.015" 0.020" 0.031" 0.062"	X	
S-350	Cost-effective flame retardant sheet, suitable for flat and some formed parts.	0.95	9,000	4,000	V-0	90	90	170	0.020" 0.031" 0.045" 0.062" 0.125"	X	
V-090	A medium density material used primarily as a flexible composite electrical insulator.	1.04	1,500	1,150	5VA	50	50	120	0.015" 0.031"		X
HP-450	A sheet-based material designed to provide superior flame barrier properties and dimensional stability at elevated temperatures.	1.55	4,500	3,500	5VA	180°	N/A	350	0.015" 0.031" 0.045" 0.062" 0.125"	X	

- Notes:
- Typical values are based on 0.031" product.
 - Dielectric strength determined according to ASTM D 149, short term method, using type 1 electrodes.
 - Independent laboratory tests on motorette systems have indicated that Voltoid HP-450 is capable of 180°C upper use temperatures.

Please understand that you are responsible for the accuracy of all project specifications, including any Interface Solutions guide specifications that you use. Interface Solutions shall not be liable for any damages arising out of the use of any of its guide specifications.



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