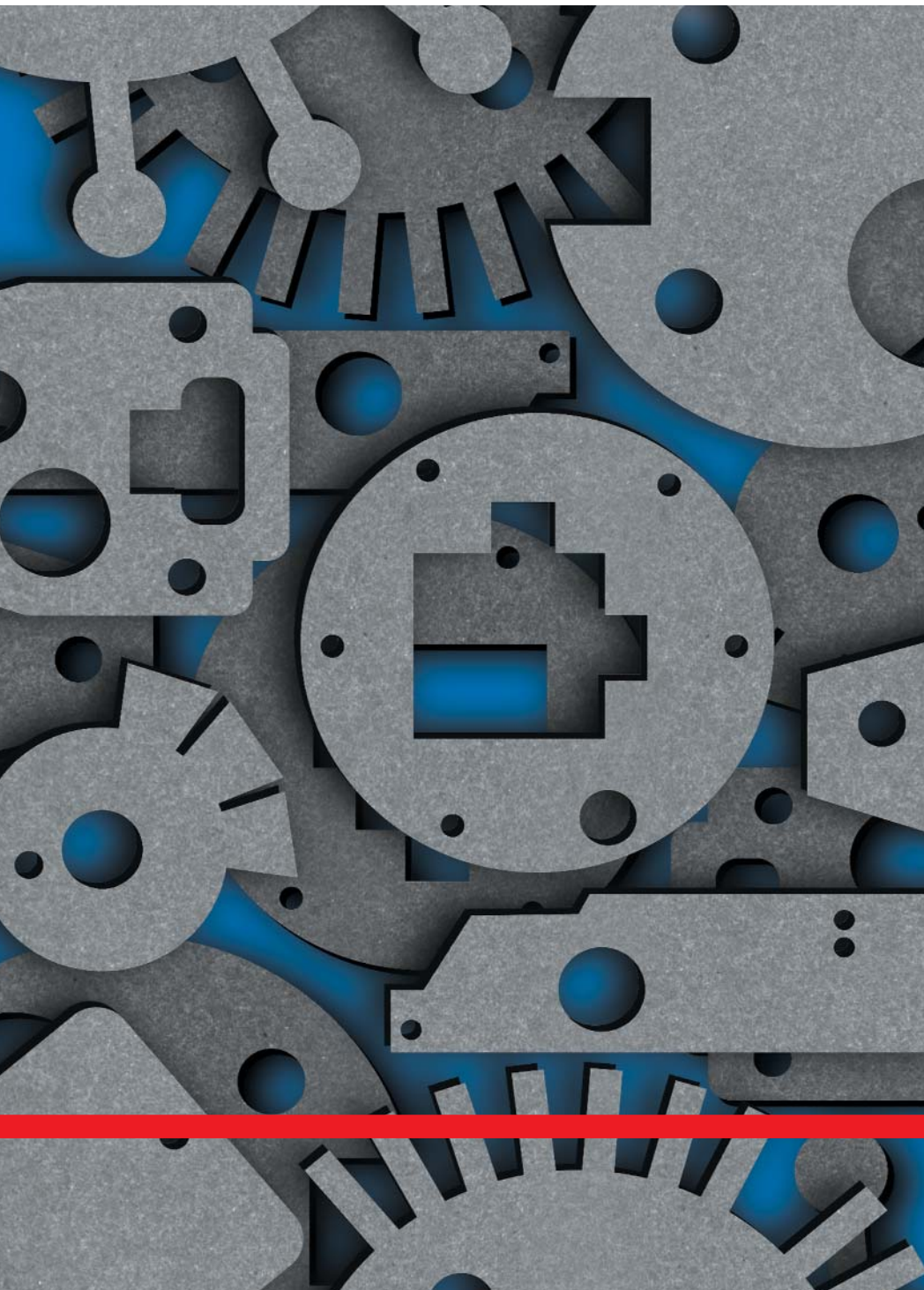


Voltoid®

V-090

A medium density fire retardant material used primarily as a flexible composite electrical insulator for general purpose applications



APPLICATIONS

Microwave ovens,
Frost-free motors,
Vending machines,
Heat convectors,
Fan Packs,
Evaporation cooler pumps,
Ventilating fans.

V-090-A

InterFace
Solutions

Technically Reliable, Cost-Effective Solutions
Available through: Accurate Felt & Gasket
T: 708-780-9000 E: sales@afgco.com

Voltoid® V-090 is composed of a blend of organic and inorganic fibers, specially formulated inorganic fillers, and bound in a proprietary latex matrix. The material has good dielectric strength and a U.L. Flame Class Rating of 94-5VA.

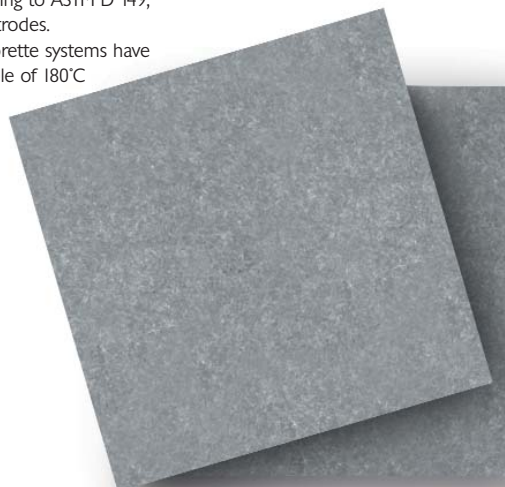
V-090 has a glow wire rating over 700°C and is therefore suitable for demanding fire resistant applications.

Voltoid Typical Data Structural/Electrical Insulation Materials

		Tensile Strength, min (g/cc)	Tensile Strength, MD (psi)	Tensile Strength, CD (psi)	UL 94 Flame Class	Dielectric Strength Short Term (V/mil)	Relative Temp Index, Electrical (°C)	Relative Temp Index, Mechanical (°C)	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 I 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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