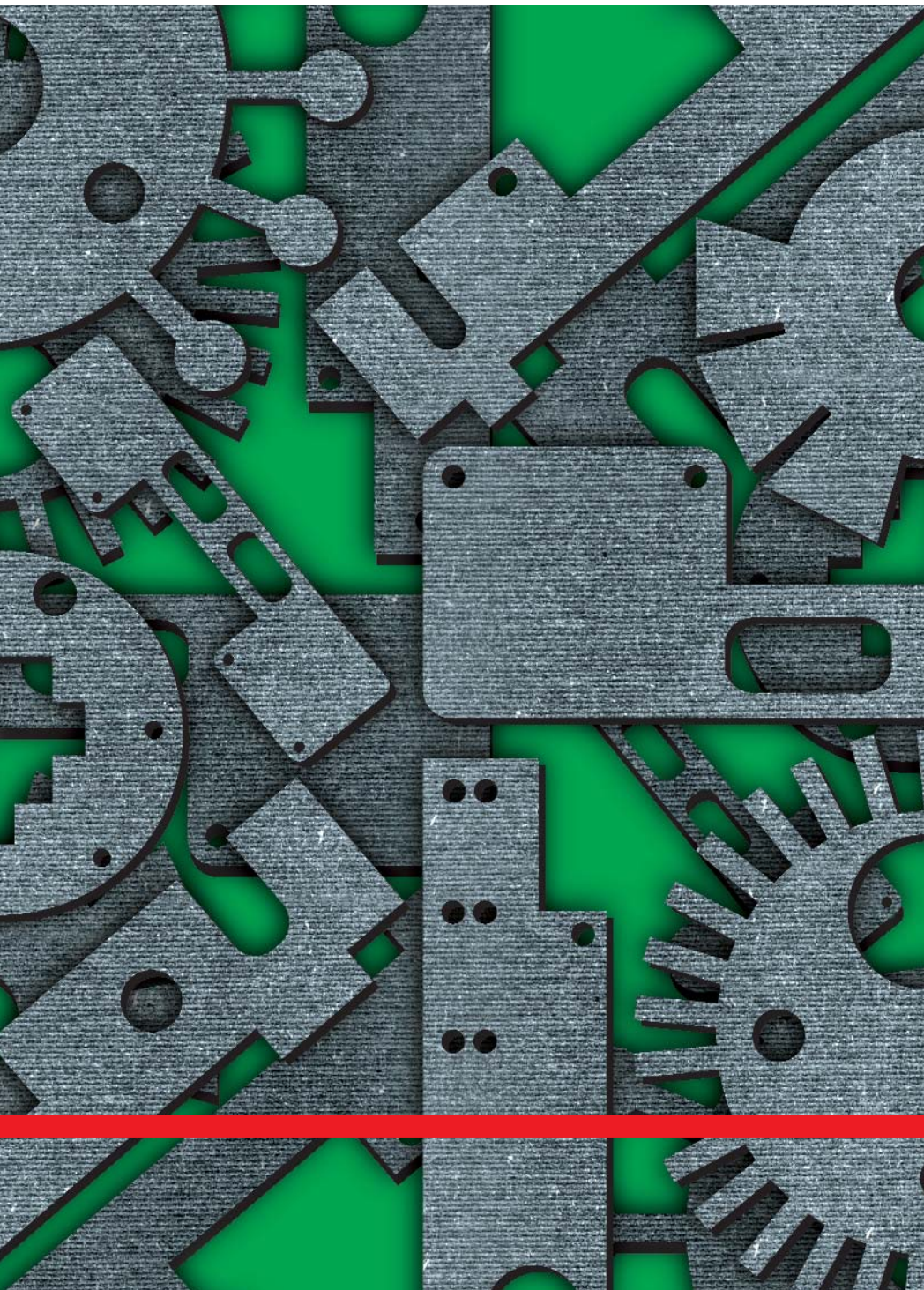


Voltoid®

S-350

UL approved for continuous
electrical and mechanical
service at 90°C

S-350



APPLICATIONS

Strobe Lights:

Electrical barrier insulation.

Electrical Equipment:

Accessibility barrier.

Acoustical Barrier:

Open cell foams with S-350 backings make excellent heat and flame resistant acoustical barriers for electronic office equipment cabinets.

EMI/RFI Enclosures:

Foil laminated S-350, either single or double-sided, can be used as inexpensively fabricated EMI/RFI shields or enclosures; it can also function as an economical ground plane within electronic equipment.

InterFace
Solutions

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

Voltoid® S-350 is a cellulose based electrical barrier and insulation material that has Underwriters Laboratories' flame classification of 94 V-0. S-350 is UL approved for continuous service at 90°C (electrical and mechanical).

It has a combination of firmness with flexibility that makes it well suited for a number of uses. S-350 die cuts cleanly without excessive die wear. It can be fabricated by creasing, cut scoring, forming, and can be printed.

Voltoid Typical Data Structural/Electrical Insulation Materials

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



www.afgco.com

Available Through:
Accurate Felt & Gasket
3239 South 51st Ave.
Cicero, IL 60804
T: 708-780-9000
F: 708-780-9009
E: sales@afgco.com

www.sealinfo.com

Interface Solutions, Inc.
216 Wohlsen Way
Lancaster, PA 17603-4043
717-207-6000

For Customer Service Contact:
Interface Solutions, Inc.
12 Davis Street
Hoosick Falls, NY 12090
Toll Free 800-942-7538
Tel (518) 686-3400
Fax (518) 686-3480

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