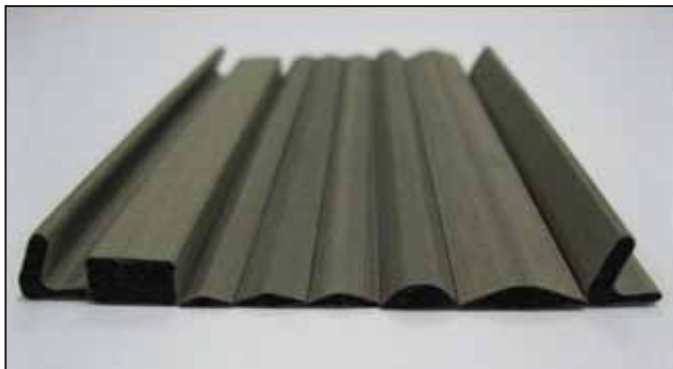


With the need to further minimize the ecological impact of the Electronic Industry and to pro-actively prepare for the forthcoming new environmental policies, **Schlegel Electronic Materials (SEM)** set the tone and introduces today **GREENSHIELD**, a complete **halogen free** EMI gaskets program. SEM R&D team developed a new foam and flame retardant resin which combined with SEM's highly conductive fabrics, confer to **GREENSHIELD**'s EMI gaskets V0 rating (UL94 specification-Underwriters Laboratories Inc.) and Halogen Free label as defined in IEC 61249-2-21 standard.



Despite the high reactivity of these chemical elements, the consistency of levels of halogens is insured through specific on-line quality inspection. **GREENSHIELD** also features low compression set and excellent compression load / deflection characteristics. **GREENSHIELD** is available with current **Schlegel Electronic Materials** manufacturing program including the unique continuous forming process so that our Customers can design today products in full compliance with tomorrow's regulations and limited impact on the environment. **GREENSHIELD** is in full compliance with European Union Directives 2011/65/EU (RoHS 2.0) and 2002/96/EC (WEEE).

SEM (North America) Inc.
1600 Lexington Ave
Suite 236A Rochester, NY 14606
T: +1 585-643-2000
F: +1 585-427-7216
E: schlegelemi.na@schlegelemi.com

SEM Belgium bvba
Slijpesteenweg 28
8432 Middelkerke (Leffinge)
Belgium
T: +32 59 560 270
F: +32 59 560 271
E: schlegelbe@schlegelemi.com

SEM (Far East), Ltd.
Unit 3, 3/F, Block A, New Trade
Plaza, 6 On Ping Street
Shatin, N.T., Hong Kong
T: +852 2686 9872
F: +852 2686 9728
E: schlegelemi@emeigroup.com

SEM (Dongguan) Ltd.
No.8 Qiaoxin Road, Qiaotou
Dongguan, Guangdong, China
Postal Code: 523525
T: +86-769-8356 5686
F: +86-769-8334 5656
E: schlegelemi@emeigroup.com

SEM (Dongguan) Ltd. - Shanghai Office
3/F, East, No.4 Unit, 56 Meisheng Road,
Waigaoqiao P.T.Z., Pudong, Shanghai
Postal Code: 200131
T: +86-21-5868 3383
F: +86-21-5868 3386
E: schlegelemi@emeigroup.com

SEM (Far East) Ltd.- Taiwan Office
5F, No. 41, Lane 76, Rei Kuang Rd.
Nei-Hu Dist, Taipei, Taiwan R.O.C
Postal Code: 11466
T: +886-2-2793 9055
F: +886-2-2793 9501
E: schlegelemi@emeigroup.com

TECHNICAL SPECIFICATIONS

CHARACTERISTIC	SPECIFICATION	TEST METHOD
Shielding effectiveness	96 dB average : NiCu-C70 97.4 dB average : NiCu-C12	MIL DTL 83528 C
Surface Resistance	<=0.066 ohms/sq. : NiCu-C70 <=0.024 ohms/sq. : NiCu-C12	ASTM F390
Contact Resistance at 1kg load	<0.11 ohm-inch : NiCu-C70 <0.08 ohm-inch : NiCu-C12	SEM LP-3001
Operating Temperature	-40°C to +70°C	ASTM D3574
Abrasion resistance	>= 800,000 cycles : NiCu-C70 >= 1,000,000 cycles : NiCu-C12	ASTM D3886
Flammability	UL 94 V0	UL Standard
Compliance	RoHS and WEEE Compliance	2011/65/EU (RoHS 2.0) 2002/96/EC (WEEE)
Halogen Content	<=900 ppm Chlorine & <=900 ppm Bromine & 1500 ppm max for both	IEC 61249-2-21 / EN 14852 B

-The technical specification data is based on SEM tests and analysis that we believe to be reliable. However, in no event, shall SEM be liable for inaccuracies or omissions contained there in. In all cases, details and values should be verified by the customer -UL is a registered trademark of Underwriters Laboratories, Inc.

Part Number Guide:

EXX8NMXXXXXHF

- EXX:** SEM Profile
- N:** 3:NiCu-C70 Ripstop Fabric
4:NiCu-C12 Plain Weave Fabric
- 8:** Halogen Free & Flame Retardant PU Foam
- M:** Finishing/Attachment system (refer to SEM Profile Selection Guide)
- XXXXX:** Length in the form XXX.XX

Please consult Schlegel Electronic Materials Representatives to confirm availability of products

www.schlegelemi.com