

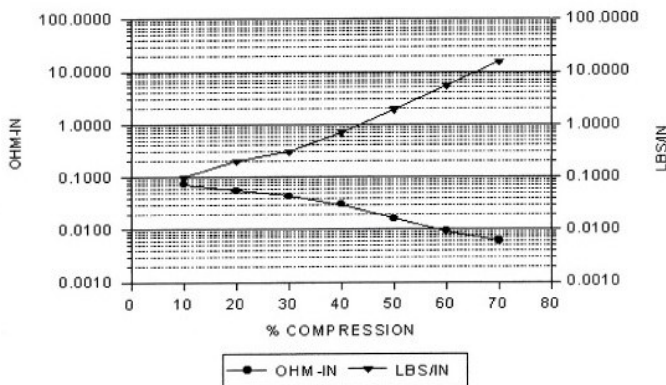
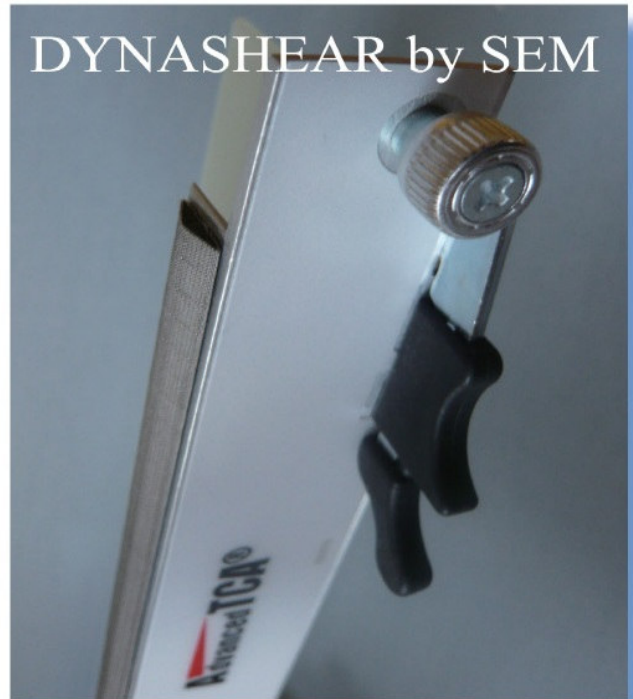
The Best Response to EMI Shielding for Card/Cage Applications

Schlegel Electronic Materials, SEM, continues their technical leadership in fabric-over-foam EMI shielding gaskets with the introduction of the DYNASHEAR™ gasket for card/cage applications.

Our worldwide SEM engineering team reviewed the mechanical constraints linked to the Blades/Shelf environment (VME, PCI, ATCA) to create a uniquely innovative EMI shielding gasket family able to offer superior features over metal fingerstock.

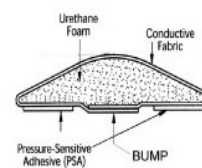
SEM's DYNASHEAR™ gaskets constructed with

- SEM's unique D-shape profiles
 - Low memory ultra-soft foam
 - Durable, abrasion resistant conductive fabrics
- Fabric-over-Foam gasket technology offers electronic designers the competitive edge in application performance compared to other conventional gasket solutions.



Compression Load Deflection (CLD) for EJ9732Txxxx

DYNASHEAR™ gaskets by SEM insures maximum shielding even at low compression by means of our unique D-shape design.



SEM's DYNASHEAR™ gaskets offer one of today's best ratios of compression vs. load due to it's ultra-soft open cell urethane foam. Ideal when cumulative tolerances decrease the gap between modules and increase the compression on the gasket.

schlegelemi.com

electromagnetic
interference
shielding products

SEM, Inc.
806 Linden Avenue,
Suite 100 Rochester, NY
14625, USA
Tel: +1 585-643-2000
Fax: +1 585-427-7216

SEM Belgium bvba
Slijpesteenweg 28
8432 Middelkerke (Leffinge)
Belgium
Tel: +32 59 560 270
Fax: +32 59 560 271

SEM (Far East) Ltd.
Unit 3, 3/F Block A
New Trade Plaza
No. 6 On Ping Street
Shatin, N.T.
Hong Kong
Tel: +852 2686 9872
Fax: +852 2686 9728

DYNASHEAR™ Specifications

Description: Conductive fabric over ultra-soft urethane foam

Compression Force	0.70 lbs.-inch at 40% compression*
Contact Resistance	0.012 Ohms-inch at 40 % compression*
Compression Set	15.4 % when compressed 50 % for 22 hrs. at 70°C*
Compression range	1-70%
Shielding Effectiveness	NiCu-C70 : 96 dB (average) 20 MHz-10 GHz - Mil DTL 83528C NiCu-C12 : 97.4 dB (average) 20 MHz-10 GHz - Mil DTL 83528C
Abrasion Resistance	No change in surface resistivity 800,000 cycles -NiCu-C70 fabric cladding
Operating Temperature	-40°F - +158°F (-40°C ,+70°C) in accordance with ASTM D3374
Flammability	UL94-V0
Compliance	2002/95/EC (RoHs) Compliant - 2002/96/EC (WEEE) Compliant - IEC 61249-2-21 (HALOGEN FREE) Compliant (#).
Peel Strength	3M Adhesive 90° peel strength on stainless steel : 128/142 Oz./in after 72 hours –ASTM D3330
	*Results measured on DYNASHEAR™ gasket part number EJ9732Zxxxx
	#: Available from UL94-V1 .Please contact your SEM representative for exact P/N.



DYNASHEAR™ Gasket Part Numbers

Height \ Width	1.5mm	2.0mm	2.3mm	2.7mm	3.3mm	3.8mm
6mm	EY37n2Zxxxx	EK97n2Zxxxx	EQ67n2Zxxxx	EQ77n2Zxxxx	EQ87n2Zxxxx	EQ97n2Zxxxx
8mm	EY47n2Zxxxx	EV37n2Zxxxx	EP17n2Zxxxx	EU87n2Zxxxx	EV67n2Zxxxx	EV77n2Zxxxx
10mm	EY57n2Zxxxx	EJ87n2Zxxxx	EJ97n2Zxxxx	EK17n2Zxxxx	EK27n2Zxxxx	EK37n2Zxxxx
12.7mm	EY27n2Zxxxx	EK47n2Zxxxx	EK57n2Zxxxx	EK67n2Zxxxx	EK77n2Zxxxx	EK87n2Zxxxx
17mm	EY67n2Zxxxx	EY77n2Zxxxx	EV87n2Zxxxx	EY87n2Zxxxx	EY97n2Zxxxx	E1A7n2Zxxxx

n: specifies the fabric type (3: NiCu-C70 , 4: NiCu-C12) xxxx: specifies length in the form xx.xx"
Standard parts supplied with wide release liner ,PSA : 2 strips of adhesive is standard
Standard Height for untaped and uncompressed parts.