

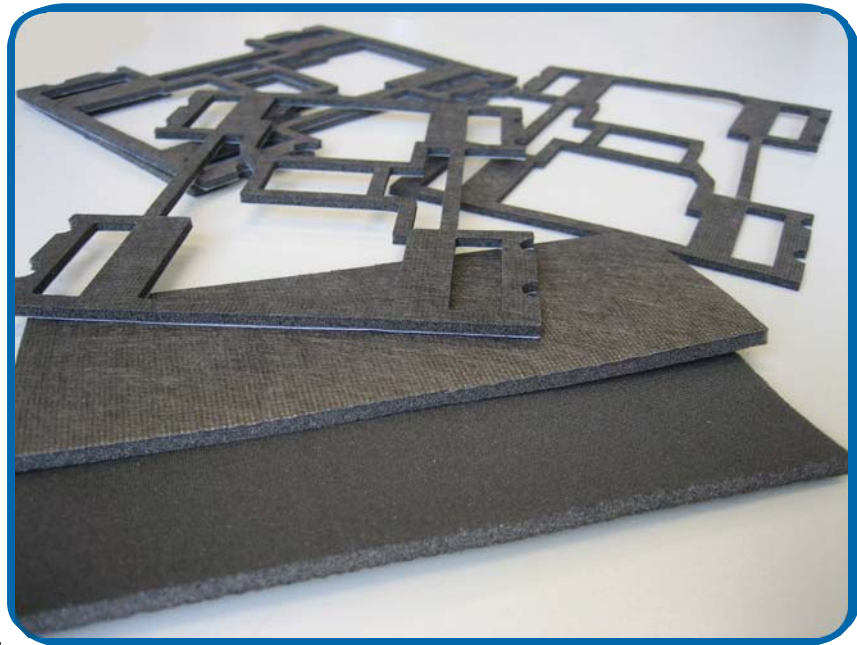
Schlegel Electronic Materials (SEM) introduces NEW CF Conductive Foam. SEM CF foam, a highly resilient Nickel-Copper polyurethane foam is sandwiched between SEM's knitted and non-woven fabrics to form industry leading die-cut gaskets. CF material is ideal for applications that require conformity with excellent cavity-to-cavity EMI shielding, superior conductivity at low compression forces and better effectiveness at very high frequencies. CF foam-based gaskets are precision die-cut with either conductive or non-conductive pressure-sensitive adhesive (PSA).

### 100%RoHS Compliant

Schlegel Electronic Materials products are employed around the world. Therefore, we are committed to comply with the European Union Directive 2002/95/EC (RoHS). SEM products and materials have been tested by approved third party facilities and found to be in full compliance with the RoHS threshold limits.

### The "New" Schlegel Electronic Materials

As the originator of the fabric-clad foam EMI shielding technology, Schlegel Electronic Materials is the industry's most trusted name. SEM continues to set the standard for quality and innovation, designing advanced solutions for a wide range of applications. And our worldwide locations ensure that you get what you need - when and where you need it. From concept to production, the SEM complete portfolio of shielding products combines highly conductive materials with flexible foams and coatings to provide the latest electronic materials containment solutions.



Schlegel Electronic Materials objective is to ensure that its customers have a competitive edge - by offering the highest quality and most cost-effective products conveyed with the highest level of customer service.

[schlegelemi.com](http://schlegelemi.com)

electromagnetic  
interference  
shielding products

SEM, Inc.  
806 Linden Avenue  
Suite 100 (14625)  
P.O. Box 20310  
Rochester, NY 14602-0310  
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, Ltd.  
Unit 303, 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

## CF Conductive Foam Specifications

**Description: Conductive fabrics over Nickel-Copper plated polyurethane foam**

<b>Dimensions</b>	Maximum Width: 22" (560mm) Thicknesses: 0.04", 0.06", 0.09", 0.13", 0.20" 1.0mm, 1.5mm, 2.3mm, 3.4mm, 5.0mm Other thicknesses may be available. Please contact your SEM Representative.
<b>Operating Temperatures</b>	-40°F - 156°F (-40°C - +70°C) in accordance with ASTM D3374 (Standard test methods for flexible cellular materials)
<b>Surface Resistivity</b>	<0.08 ohms/sq
<b>Compression Load Deflection</b>	2.1 PSI (CF-78-30FR compressed at 25% from free height)
<b>Tensile Strength</b>	6-15 kg/inch
<b>Flammability</b>	V1 minimum - See details at <a href="http://www.UL.com">www.UL.com</a> (SEM FE-Plastic component QMFZ2.E313523)
<b>Aging</b>	No change in surface resistivity after exposure to 60°C - 90%RH - 300 hrs
<b>Shielding Effectiveness</b>	>90 dB average 10-1000 Mhz (Tem-Cells)

**CF Conductive Foam  
Part Numbers**

Thickness in mm	Tolerance in mm	UL Fire Rated	Part Number
1.0	+/- 0.2	yes	CF-78-10FR
1.5	+/- 0.2	yes	CF-78-14FR
1.5	+/- 0.2	no	CF-78-14NR
2.3	+/- 0.3	yes	CF-78-20FR
2.3	+/- 0.3	no	CF-78-20NR
3.4	+/- 0.3	yes	CF-78-30FR
3.4	+/- 0.3	no	CF-78-30NR
5.0	+/- 0.5	no	CF-78-50NR