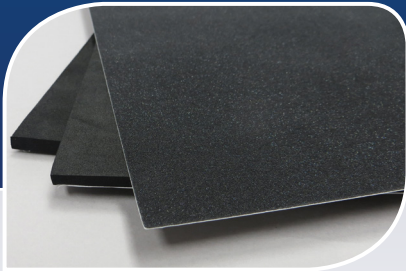




## CONFOR™ SC FOAMS

Material Summary Sheet 53



**Offering solutions for a wide range of applications such as...**

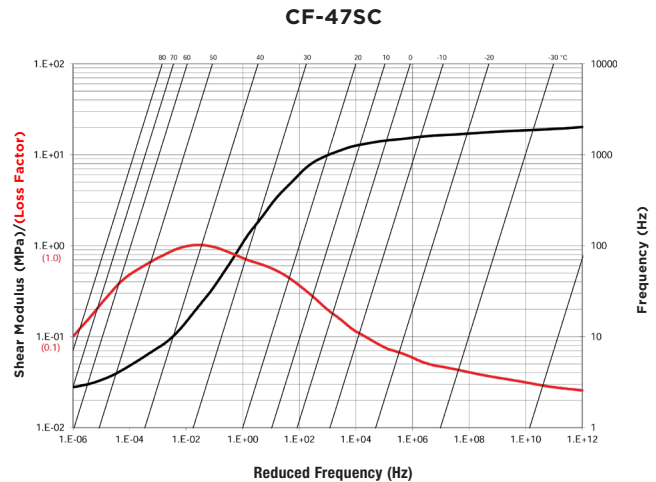
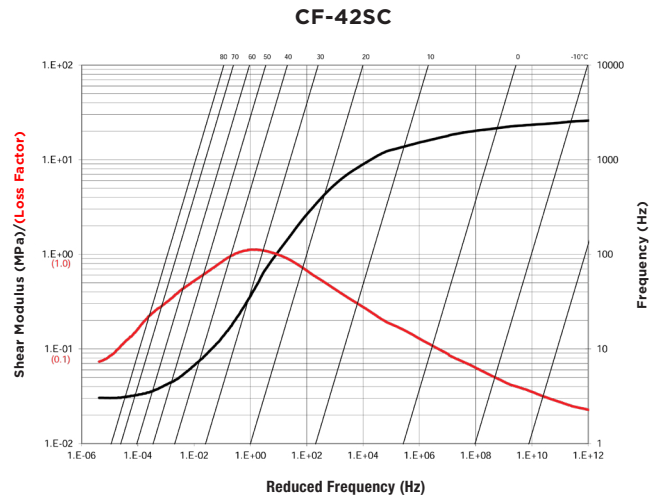
- Smartphone & Tablet
- Laptop/Notebook
- Wearable Electronics
- IoT Devices



**CONFOR™ SC Foams**

- Small cell, slow-recovery foam that can be easily compressed up to 95% for shock protection and gasketing in tight spaces
- Low compression set
- Highly conformable gap filler
- Listed HF-1 @ 0.5 mm – 3.0 mm
- RoHS Compliant and non-halogenated

TYPICAL PROPERTIES		
PROPERTY	CF-42SC	CF-47SC
<b>Density Nominal kg/m<sup>3</sup> (lb/ft<sup>3</sup>)</b> ASTM D3574-03 Test A	101 kg/m <sup>3</sup> (6.3 lbs/ft. <sup>3</sup> )	101 kg/m <sup>3</sup> (6.3 lbs/ft. <sup>3</sup> )
<b>Tensile Strength kPa (psi)</b> ASTM D3574-03 Test E	131 (19.1)	288.8 (41.89)
<b>Tear Strength kN/m (lbf/in)</b> ASTM D3574-03 Test F	0.53 (3.0)	1.26 (7.19)
<b>Elongation</b> ASTM D3574-03 Test F	181%	142%
<b>Compression Set (%)</b> ASTM D3574-03 Test D 50% Compression 22 hr at 22C (72F) 22 hr at 60C (140F)	<2%	<1% <1%
<b>Compression Load Deflection kPa (psi)</b> ASTM D 3574-03 Test C Modified		
@ 10% Compression	3.22 (0.47)	12.4 (1.80)
@ 20% Compression	3.64 (0.53)	13.5 (1.96)
@ 30% Compression	4.17 (0.60)	13.9 (2.02)
@ 40% Compression	4.98 (0.72)	15.8 (2.30)
@ 50% Compression	6.30 (0.91)	19.8 (2.87)
@ 60% Compression	8.73 (1.30)	27.6 (4.00)
@ 70% Compression	14.8 (2.10)	48.8 (7.07)
@ 80% Compression	39.8 (5.80)	147.0 (21.30)
<b>Dust Resistance</b> <b>IEC 60529-Category 2</b> 50% Compression 70% Compression	IP 5X Rating Dust Proof Dust Proof	IP 5X Rating Dust Proof Dust Proof
<b>Flammability</b> UL 94	Listed HF-1 @ 0.5mm – 3.0mm	Listed HF-1 @ 0.5mm – 2.0mm Listed HF-2 @ 2.5mm – 2.75mm
<b>RoHS Compliant</b>	Yes	Yes
<b>Halogen Free*</b>	Yes	Yes



The above technical information and data should be considered representative or typical only and should not be used for specification purpose.

\*Halogen-free per IEC 61249-2-21.

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