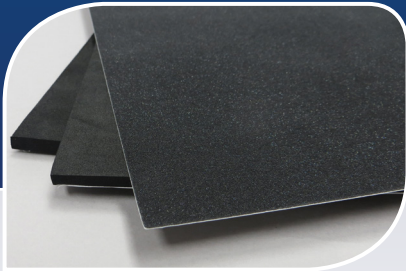




CONFOR™ SC FOAMS

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
Density Nominal kg/m³ (lb/ft³) ASTM D3574-03 Test A	101 kg/m ³ (6.3 lbs/ft. ³)	101 kg/m ³ (6.3 lbs/ft. ³)
Tensile Strength kPa (psi) ASTM D3574-03 Test E	131 (19.1)	288.8 (41.89)
Tear Strength kN/m (lbf/in) ASTM D3574-03 Test F	0.53 (3.0)	1.26 (7.19)
Elongation ASTM D3574-03 Test F	181%	142%
Compression Set (%) ASTM D3574-03 Test D 50% Compression 22 hr at 22C (72F) 22 hr at 60C (140F)	<2%	<1% <1%
Compression Load Deflection kPa (psi) 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)
Dust Resistance IEC 60529-Category 2 50% Compression 70% Compression	IP 5X Rating Dust Proof Dust Proof	IP 5X Rating Dust Proof Dust Proof
Flammability UL 94	Listed HF-1 @ 0.5mm – 3.0mm	Listed HF-1 @ 0.5mm – 2.0mm Listed HF-2 @ 2.5mm – 2.75mm
RoHS Compliant	Yes	Yes
Halogen Free*	Yes	Yes

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

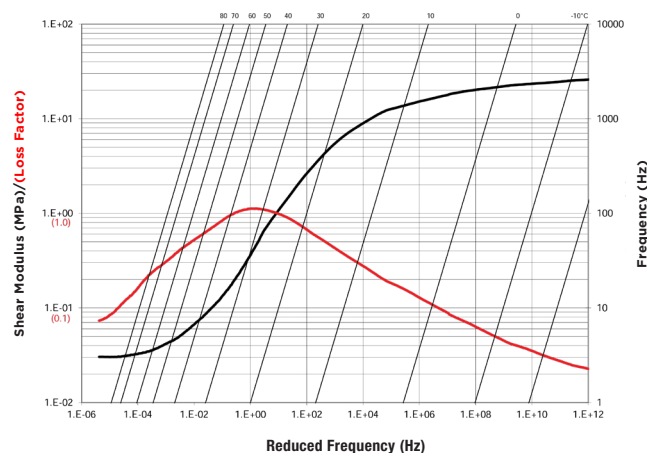
*Halogen-free per IEC 61249-2-21.

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CF-42SC**CF-47SC**