

## Description

Soundfoam C is a family of cellular flexible foam products marketed for gasket applications. Soundfoam C products are made from either closed cell sponge or open cell foams, which are offered with aggressive pressure sensitive adhesive systems with and without polyester carrier. Soundfoam C products are offered in sheets or rolls in thickness from 1/32" to 3", or as flat die cut parts. Parts can also be purchased "kiss cut" for ease of installation. Soundfoam C gaskets are available with laminated films, facings, or foils in composite form.

## What It Does and How It Works

Soundfoam C products are used in a broad range of original equipment industries for use in controlling various unwanted conditions including chemical and particulate contamination, airflow, noise, vibration, RF-EMI, ESD, and thermal loss.

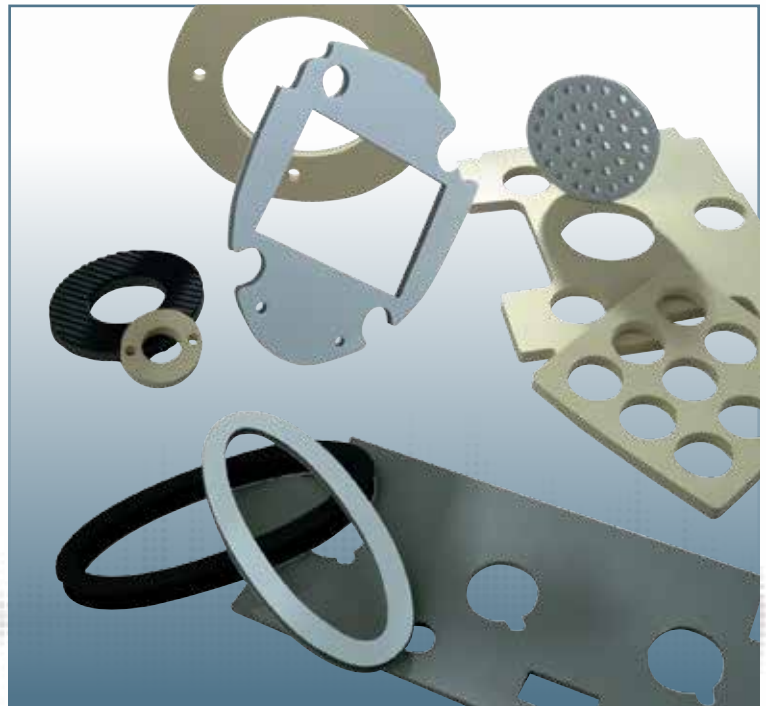
The Soundfoam C product family is known for being compliant, resilient and are generally used in between metal or structural components adhered to with various pressure sensitive adhesives. Soundcoat recommends "T" adhesive backing where dimensional stability is needed and MDK and HP-5 where irregular or rough mating surfaces exist.

## Typical Applications

- Electronic Equipment & Peripherals
- Medical Equipment
- Transportation Vehicles
- Off-Highway Equipment
- HVAC
- Aircraft

## Product Features/Benefits

- Broad array of product offerings and characteristics
- Available as fabricated components to match your configuration
- Multi-functioning components controlling audible or electrical noise
- Meets wide class of industrial standards including flame and smoke resistance (UL, FAR, ASTM, FMVSS)
- Resilient and energy absorptive for excellent shock and vibration isolation
- Closed cell foam types for wet environments
- Low compression set grades
- High coefficient of friction for anti-slip applications



The information contained herein is based on laboratory test data developed by or for Soundcoat and is believed to be reliable, but its accuracy or completeness is not guaranteed. The buyer must test this product to determine its suitability for his specific application before use. ONLY use a Soundcoat product after thoroughly consulting instructions on the data sheet for the specific product.

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## SPONGE TYPE

	CSB	CSD	CSU	CSZ1
Sponge Type:	Vinyl-Nitrile	Neoprene	PVC/NBR/CR	Synthetic Rubber
Density:	4 - 7	8 - 14	3 - 5	3 - 4
Color:	Black	Black	Black	Black
CD (psi):	1 - 3	2 - 5	2 - 5	2 - 6
Compression Set (%):	20	20	40	20
H2O Absorption (%):	5	5	10	6
Thermal Conductivity (k):	.27	.27	.28	.27
Temp. Range:	-15 to 158°F	-40 to 200°F	-40 to 160°F	-70 to 220°F
Flammability:	UL94 HF-1	UL94 HF-1	UL94 HF-1	UL94 5V ASTM E84-91A 25/Δ100
Special Characteristics:	Attractive	Firm	Available in Continuous Length	Rolls 48" Wide

## FOAM TYPE

	PL	PL-SP	CSJ
Foam Type:	Ester Polyurethane	Ether Polyurethane	Polyurethane
Density:	2.0	1.8	15 - 30
Color:	Charcoal Grey	Charcoal Grey	Black
Compression Set (%):	10	10	5
Tensile Strength (psi):	20	20	40-170
Elongation (%):	200	200	100
Thermal Conductivity (k):	.25	.25	.60
Temp. Range:	-45° to 225°F	-45° to 225°F	-40° to 250°F
Flammability:	UL94 HF-1, FMVSS-302	UL94 HF-1, FMVSS-302, FAR 25.853(a)	UL94 HBF
Special Characteristics:	Low cost	Low cost	Low Compression Set

## TECHNICAL NOTES

- Properties subject to change without notice. Check with factory for latest revisions.
- When using a pressure sensitive adhesive, the material must be applied at room temperature on clean surfaces providing adequate pressure.