

## TECHNICAL DATASHEET: BF-2000 - Closed Cell Ultra Soft Cellular Silicone Foam

**PRODUCT DESCRIPTION**

Highly compressible, ultra soft silicone foam. The combination of low weight and softness makes it an ideal solution where low closure force and sealing are critical.

**TYPICAL APPLICATIONS**

- Low closure force gaskets within portable electronics such as laptops and LCD screens within aircraft and rail interiors
- Vibration isolation in electronic components and transportation vehicles
- Fire retardant thermal insulation

**PRODUCT FEATURES & BENEFITS**

- Patented chemistry and cell structure provide long term performance advantage
- Temperature independency
- UV/Ozone resistant
- Rated to most stringent flame standards

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/8", 3/16", 1/4", 3/8", 1/2"	
COLOR	Black	
MATERIAL/SUBSTRATE	Silicone Foam	
DENSITY	11 lb/ft <sup>2</sup>	
COMPRESSION FORCE DEFLECTION @ 25%	1.5 psi	ASTM D1056
COMPRESSION SET, 22 HOURS @ 212°F @ 50%	6.90%	ASTM D1056
THERMAL CONDUCTIVITY	0.048 W/m <sup>2</sup> K	
ELONGATION (MINIMUM)	60%	ASTM D412
OZONE RESISTANCE	Yes	
UV RESISTANCE	Yes	
FLAME RETARDANT	Yes	
FLAME SPREAD INDEX (LS)	< 35	ASTM E162
FMVSS-302	Pass	
SMOKE DENSITY (Ds) @ 1.5 MINUTES	< 100	ASTM E662
SMOKE DENSITY (Ds) @ 4 MINUTES	< 200	ASTM E662
UL 94 HF-1	Pass	
UL 94 V0	Pass	
LOW TEMPERATURE FLEXIBILITY	-67°F	ASTM D1056
TEMPERATURE RANGE	-67°F to 392°F	
TENSILE STRENGTH	20 psi	ASTM D412

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**