

Gasket material

BISCO® BF-2000 ultra soft silicone

Material: BISCO® BF-2000 ultra soft silicone is a foam-material.

Properties: BISCO® BF-2000 ultra soft silicone has ultra low softness that allows to use less force to seal enclosures, but still protect the device. It is highly compressible and offers excellent memory and low stress relaxation. BISCO® BF-2000 ultra soft silicone is resistant against UV light, ozone and extreme temperatures.

Applications: BISCO® BF-2000 ultra soft silicone is used as vibration insulation in electronic components and transportation vehicles and low closure force gaskets within portable electronic devices (laptops, LCD screens in aircraft and rail interiors). It can also be used as thermal insulation due to its fire retardant abilities.

Delivery forms: BISCO® BF-2000 ultra soft silicone can be delivered as customized cut or die-cut part as well as self-adhesive. Other delivery forms upon customer request.

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properties	Test method	unit	Value
Colour			Black
Thickness		mm	3,18 - 12,70
Standard width		mm	12,7 - 914
Density	ASTM D 1056	kg/m ³	160
Compression force deflection	ASTM 1056, 25% deflect.	kPa	13,8
Compression set 70°C/100°C – 22 h	ASTM D 1056	%	1 / 5
Tensile strength	ASTM D 412	min. kPa	172
Elongation	ASTM D 412	%	80
Flame resistance	UL 94		V-0, HF-1
Flame spread index	ASTM E 162	I _s	<25
Smoke density 4/1,5 min.	ASTM E 662	D _s	<50 / <20
Toxic gas emission rating	SMP-800C		Pass
Recommended use temperature		°C	-50 to 200

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.