

Gasket material

BISCO® FPC fire block materials

Material: BISCO® FPC is a fire block foam which can be used as Protective covering.

Properties: BISCO® FPC resists flames up to 1038°C and protects areas for prolonged periods of time. It emits extremely low levels of smoke and toxic gas when subjected to fire. The silicone elastomer is directly cast onto a reinforcing fiberglass layer, thereby making it a flexible but yet durable material with good tear resistance.

Applications: BISCO® FPC is used as wraps for electrical cables and power lines, cargo covers for aerospace, protective covering for railcar break lines as well as fire barriers and smoke seals between railcar passenger compartments.

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

Dr. Dietrich Müller GmbH

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properties	Test method	unit	Value
Thickness		mm	1,59 – 6,35
Density	ASTM F 1315	pcf	32
Temperature Continuous Intermittent	SAE J-2236	°C	-55 to 200 -250
Flame spread	ASTM E 162	I _s	<5
Smoke density 4 min. 1,5 min.	ASTM E 662	D _s	<75 <25
Dielectric breakdown	ASTM D 149-90	V	1100
Dielectric strength	ASTM D 149-90	V/mil	9
Arc resistance	ASTM D 495-89	Sec.	+1800

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.