

MVS

Preliminary Technical Data / Vorläufige Technische Daten

Description

MVS is a fibre glass composite with mixed cell silicone foam for industrial applications.

Applications

- Non-flammable light weight heat shields;
- Thermal insulation for vehicles;
- Noise, vibration and fire resistant gaskets;
- vibration dampening in airplanes, trains and motor vehicles;
- insulation and vibration pads for telecom industry;
- seals and gaskets for industrial applications.

Advantages

- Exceptional fire resistance
- Compounded with FDA and Bfr listed raw materials;
- very low smoke and tox emissions;

- excellent vibration damping;
- very good noise protection.

Supply form

roll size (standard):
Width: 1300 mm;
Length: 10 000 mm,
5000 mm (Thickness: 12 mm)
Thicknesses: 4 - 12 mm;
Colour: white/grey

Special size are available upon request

Beschreibung

MVS ist ein Composite Material zwischen einer Glasfaser und mischzelligem Silikonschaum für industrielle Anwendungen.

Anwendungen

- Nicht brennbare, leichte Hitzeschilder;
- Thermische Isolierung von Fahrzeugen;
- Schall, Vibrations- und brandsichere Dichtungen;
- Dämpfung von Vibrationen in Flugzeugen, Schienenfahrzeugen und Kraftfahrzeugen;
- Isolierungen und Dämpfungsmatten für Mobilfunkindustrie;
- Dichtungen für die Industrie.

Vorzüge

- hervorragend brandbeständig;
- formuliert mit FDA und Bfr konformen Rohstoffen;
- sehr geringe Rauchdichte und Toxizität der Verbrennungsgase;
- exzellente Dämpfungseigenschaften;
- sehr guter Schallschutz.

Lieferform

Rollengröße (Standard):
Breite 1300 mm,
Länge 10 000 mm,
5000 mm (12 mm Stärke)
Dicke 4 - 12 mm
Farben: weiß/grau

Sondergrößen auf Anfrage erhältlich

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Properties/ Eigenschaften	Typical Values/ Typische Werte	Test Methods/ Prüfverfahren
Density / Dichte	300 kg/m ³	
Fibre glass/Glasgewebe		
Weight/Gewicht	450 g/m ²	
Silicone foam/Silikonschaum		
Hardness / Härte	40 Shore 00	ASTM D 2240
Tensile Strength / Zugfestigkeit	250 kPa	DIN ISO 1798
Elongation / Reißdehnung	100 %	DIN ISO 1798
Compression Set / Druckverformungsrest 50 % / 22 h / 70 °C 50 % / 22 h / 100 °C	2 % 10 %	ASTM D 1056 (min. 10 mm)
Temperature Range / Thermische Stabilität	- 55 °C up to / bis + 200 °C	
Thermal Conductivity / Wärmeleitfähigkeit	0,058 W/mK	DIN ISO 8894.1
Toxic fumes / toxische Gase; R-value Index	0,46	BS 6853:1999; clause B.4.2.
Oxygen index*	30,4 %	BS 4589-2:1996
Optical Density / Optische Dichte; A ₀ *	0.012 g/m ²	BS 6853:1999; clause D.8.3.
Flame Resistance / Flammverhalten	Non-flammable, Non-toxic / Nicht brennbar, nicht toxisch gasend	FAR 25.853 (12 sec,60 sec) ATS 1.000

*: measured on PSA coated samples / gemessen an PSA beschichteten Proben

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