

MSK-2

Preliminary Technical Data / Vorläufige Technische Daten

ABS 5026 B01 – DAN1226-03

Description

MagniPly™MSK-2 is a Kevlar - silicone foam composite according to ABS 5026 B01 – DAN 1226-03.

Applications

Bellows as well as flexible and durable joining elements. Flame penetration resistant parts according to FAR/JAR 25.855 for aerospace applications.

Advantages

- Excellent fire resistance;
- Outstanding flame penetration resistance accord. to FAR/JAR 25.855(c);
- Very low thermal conductivity;
- high mechanical properties;
- low weight;
- remarkable chemical resistance;
- low emission values;
- low smoke density;
- easy processibility similar textile materials;

Delivery form

width: 1300 mm
roll length: 30 m
thickness: 2.6 mm
colour: olive green

Beschreibung

MagniPly™ MSK-2 ist ein Kevlar – Siliconschaum Verbundwerkstoff entsprechend ABS 5026 B01 – DAN 1226-03.

Anwendungen

Faltenbalge und dynamisch belastbare flexible Verbindungselemente. Durchbrandbeständige Luftfahrtkomponenten nach FAR/JAR 25.855.

Vorzüge

- Ausgezeichnete Temperaturstabilität
- Hervorragende Durchbrandbeständigkeit nach FAR/JAR 25.855(c);
- Sehr geringe thermische Leitfähigkeit;
- hohe mechanische Festigkeit;
- geringes Gewicht;
- Hervorragende chemische Beständigkeit;
- niedrige Brandemissionswerte;
- geringe Rauchdichte;
- einfache Verarbeitbarkeit wie textiler Werkstoff;

Lieferform

Breite: 1300 mm
Rollenlänge: 30 m
Stärke: 2,6 mm
Farbe: olivgrün

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acc. to/entspricht ABS 5026 B01 – DAN1226-03
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Preliminary Technical Specification Vorläufige Technische Daten		
Properties <i>Eigenschaften</i>	Typical Value <i>Typische Werte</i>	Test Method <i>Prüfverfahren</i>
Surface Weight <i>Flächengewicht</i>	1,3 kg/m²	DIN EN 12127
Thickness ¹⁾ <i>Dicke</i>	2,60 mm	DIN EN ISO 1923
Maximum force, manufacturing direction <i>Höchstzugkraft, Fertigungsrichtung</i>	1200 N	DIN EN ISO 1798 Sample/Probekörper DIN 53 571-B
Maximum force, perpendicular to manufacturing direction <i>Höchstzugkraft, senkrecht zu Fertigungsrichtung</i>	800 N	DIN EN ISO 1798 Sample/Probekörper DIN 53 571-B
Tear resistance, manufacturing direction <i>Weiterreißfestigkeit, Fertigungsrichtung</i>	100 N	DIN EN ISO 4674-1 procedure/Verfahren B
Tear resistance, perpendicular to manufacturing direction <i>Weiterreißfestigkeit, senkrecht zu Fertigungsrichtung</i>	100 N	DIN EN ISO 4674-1 procedure/Verfahren B
Fire resistance/Brandverhalten		
Flammability** <i>Brennbarkeit</i>	Pass	JAR/FAR 25, App. F, part I & AITM 2.0002B
Smoke gas components** <i>Rauchgaskomponenten</i>	Pass	AITM 3.0005.
Smoke density** <i>Rauchdichte</i>	Pass	JAR/FAR 25, App. F, part V & AITM 2.0007
Flame penetration** resistance <i>Durchbrandverhalten</i>	Pass	ADB 0031 (Issue D) Section 4.5; JAR 25 Change 15, § 25.855(c) and App. F part III AITM 2.0010

Thickness has no influence on mechanical properties. **Test sheets are property of Airbus Deutschland

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