

500°C

**KlevoGlass**  
**KlevoGlass Texo**  
**KlevoGlass Itex**

**We provide our fabrics in different designs and sizes and also with application-specific functional finishings and laminations.**

The temperature of 500°C given here refers to the loomstate fabric. Finishings such as coatings, laminations and wet finishings have an effect on the temperature resistance.



**Our high vertical manufacturing range offers many opportunities to produce fabrics for the most diverse of requirements. For information on combination options with additional finishings, see our information sheet “Coatings, laminations, wet finishing”.**

500°C

600°C

650°C

700°C

750°C

800°C

1000°C

1200°C

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Designs and specifications are subject to change without notice. All specified measurements and weights are subject to standard production tolerances. All data stated above are for the purpose of information only and do not constitute any warranty of characteristics.

500 °C

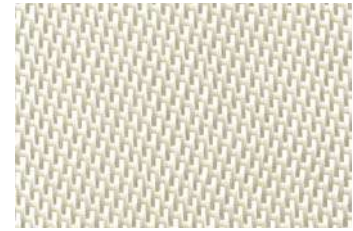
Here is a selection of our standard range:

## KlevoGlass

We supply these fabrics in weights per unit area of between around 80 g/m<sup>2</sup> and 1100 g/m<sup>2</sup> in thicknesses of 0.2 mm up to 1.3 mm. Widths of between 15 and 310 cm are possible, depending on our customers requirements.

Fabrics made of filament yarns, rovings or twines (non-texturised).

	Weight	Weave	Thickness
KlevoGlass 160-1 L	160 g/m <sup>2</sup>	plain	0.20 mm
KlevoGlass 41-1 L	210 g/m <sup>2</sup>	plain	0.20 mm
KlevoGlass 320-3 RL	320 g/m <sup>2</sup>	rib weave	0.30 mm
KlevoGlass 360-1 L	360 g/m <sup>2</sup>	plain	0.90 mm
KlevoGlass 332-1 KK	420 g/m <sup>2</sup>	cross twill	0.40 mm
KlevoGlass 460-1 L	460 g/m <sup>2</sup>	plain	0.80 mm
KlevoGlass 570-2 RL	570 g/m <sup>2</sup>	rib weave	0.60 mm
KlevoGlass 630-1 Karo	600 g/m <sup>2</sup>	check	0.70 mm
KlevoGlass 2002-1 A	650 g/m <sup>2</sup>	sateen	0.70 mm
KlevoGlass 820-1 Karo	830 g/m <sup>2</sup>	check	0.90 mm
KlevoGlass 850-1 A	860 g/m <sup>2</sup>	sateen	1.00 mm
KlevoGlass 1050-1 KK	1050 g/m <sup>2</sup>	cross twill	1.30 mm



KlevoGlass 2002-1 A



KlevoGlass 630-1 Karo

## KlevoGlass Texo

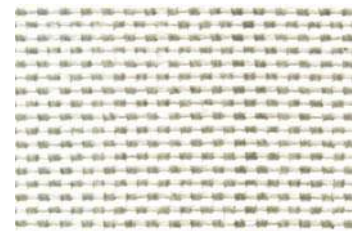
We supply these fabrics in weights per unit area of between around 200 g/m<sup>2</sup> and 2800 g/m<sup>2</sup> in thicknesses of 0.4 mm up to 4.4 mm. Widths of between 15 and 310 cm are possible, depending on our customers requirements.

Fabrics made of texturised filament yarns, texturised rovings or texturised twines.

	Weight	Weave	Thickness
KlevoGlass Texo 260-2 L	260 g/m <sup>2</sup>	plain	0.40 mm
KlevoGlass Texo 580-1 L	580 g/m <sup>2</sup>	plain	1.00 mm
KlevoGlass Texo 640-1 L	640 g/m <sup>2</sup>	plain	0.90 mm
KlevoGlass Texo 656-1 L	650 g/m <sup>2</sup>	plain	0.90 mm
KlevoGlass Texo 920-1 KK	930 g/m <sup>2</sup>	cross twill	1.30 mm
KlevoGlass Texo 936-1 KK	930 g/m <sup>2</sup>	cross twill	1.30 mm
KlevoGlass Texo 970-1 RL	980 g/m <sup>2</sup>	rib weave	1.30 mm
KlevoGlass Texo 1100-1 P	1100 g/m <sup>2</sup>	panama	1.60 mm
KlevoGlass Texo 1350-1 K	1350 g/m <sup>2</sup>	twill	2.00 mm
KlevoGlass Texo 2000-1 DG	2000 g/m <sup>2</sup>	double weave	3.40 mm
KlevoGlass Texo 2720-1 DG	2720 g/m <sup>2</sup>	double weave	4.40 mm



KlevoGlass Texo 2000-1 DG



KlevoGlass Texo 656-1 L

## KlevoGlass Itex

We supply these fabrics in weights per unit area of between around 290 g/m<sup>2</sup> and 900 g/m<sup>2</sup> in thicknesses of 1.3 mm up to 2.2 mm. Widths of between 15 and 310 cm are possible, depending on our customers requirements.

Fabrics providing effect texturised filament yarns in fill direction.

	Weight	Weave	Thickness
KlevoGlass Itex 290-1 RL	300 g/m <sup>2</sup>	rib weave	1.30 mm
KlevoGlass Itex 300-1 K	320 g/m <sup>2</sup>	twill	1.60 mm
KlevoGlass Itex 390-1 K	390 g/m <sup>2</sup>	twill	1.80 mm
KlevoGlass Itex 400-1 K	410 g/m <sup>2</sup>	twill	2.00 mm
KlevoGlass Itex 440-1 K	440 g/m <sup>2</sup>	twill	1.60 mm
KlevoGlass Itex 450-1 L	440 g/m <sup>2</sup>	plain	1.60 mm
KlevoGlass Itex 520-1 L	520 g/m <sup>2</sup>	plain	1.80 mm
KlevoGlass Itex 900-1 RL	900 g/m <sup>2</sup>	rib weave	2.20 mm

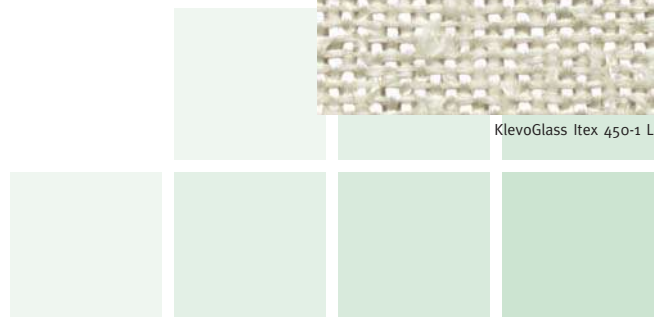


KlevoGlass Itex 400-1 K



KlevoGlass Itex 450-1 L

We are glad to give you expert advice on our standard product range.  
We can manufacture alternative products on request.



600°C



**KlevoGlass V4A**  
**KlevoGlass Texo V4A**  
**KlevoGlass Texo (V4A) HTM 600**

Fabrics made of V4A wire reinforced E-Glass for applications with a continuous temperature exposure of up to 600°C. We were one of the first manufacturers to produce fabrics reinforced with V4A wire.

E-Glass fabrics without V4A wire reinforcement can also be modified with additional finishings to achieve a temperature resistance of up to 600°C (for example HTM 600).

Our fabrics can be provided in different constructions and widths and also with application-specific functional finishings and laminations. Other metals can also be used to reinforce fabrics.

The temperature of 600°C given here refers to the loomstate fabric. Finishes such as coatings, laminations or wet finishings have an effect on the temperature resistance.



**Our high vertical manufacturing range offers many opportunities to produce fabrics for the most diverse of requirements. For information on combination options with additional finishings, see our information sheet “Coatings, laminations, wet finishing”.**

500°C

600°C

650°C

700°C

750°C

800°C

1000°C

1200°C

600°C

Here is a selection of our standard range:

## KlevoGlass V4A

We supply these fabrics in weights per unit area of between around 440 g/m<sup>2</sup> und 660 g/m<sup>2</sup> in thicknesses of 0.5 mm up to 0.7 mm. Widths of between 15 and 310 cm are possible, depending on our customers requirements.

Fabrics made of filament yarns or twines with V4A wire reinforcement (non-texturised).

	Weight	Weave	Thickness
KlevoGlass 332 V4A KK	440 g/m <sup>2</sup>	cross twill	0.50 mm
KlevoGlass 550 V4A L	550 g/m <sup>2</sup>	plain	0.55 mm
KlevoGlass 600 V4A KK	600 g/m <sup>2</sup>	cross twill	0.70 mm
KlevoGlass 640 V4A K	640 g/m <sup>2</sup>	twill	0.60 mm
KlevoGlass 2002 V4A A	630 g/m <sup>2</sup>	sateen	0.70 mm
KlevoGlass 660 V4A P	660 g/m <sup>2</sup>	panama	0.60 mm
KlevoGlass 660 V4A Karo	660 g/m <sup>2</sup>	check	0.65 mm



KlevoGlass 2002 V4A A

## KlevoGlass Texo V4A

We supply these fabrics in weights per unit area of between around 720 g/m<sup>2</sup> und 1230 g/m<sup>2</sup> in thicknesses of 1.0 mm up to 1.65 mm. Widths of between 15 and 250 cm are possible, depending on our customers requirements.

Fabrics made of texturised yarns and twines with V4A wire reinforcement.

	Weight	Weave	Thickness
KlevoGlass Texo 720 V4A RL	720 g/m <sup>2</sup>	rib weave	1.00 mm
KlevoGlass Texo 990 V4A N	990 g/m <sup>2</sup>	rearrangement	1.30 mm
KlevoGlass Texo 1020 V4A RL	1020 g/m <sup>2</sup>	rib weave	1.30 mm
KlevoGlass Texo 1120 V4A RL	1120 g/m <sup>2</sup>	rib weave	1.40 mm
KlevoGlass Texo 1230 V4A P	1230 g/m <sup>2</sup>	panama	1.65 mm



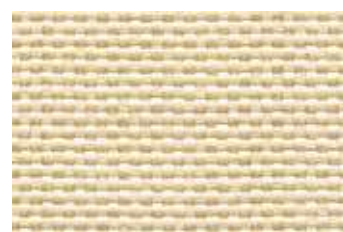
KlevoGlass Texo 1230 V4A

## KlevoGlass Texo (V4A) HTM 600

We supply these fabrics in weights per unit area of between around 660 g/m<sup>2</sup> und 1240 g/m<sup>2</sup> in thicknesses of 0.85 mm up to 1.65 mm.

HTM 600 finished fabrics made of texturised yarns and twines with V4A wire reinforcement.

	Weight	Weave	Thickness
KlevoGlass Texo 640 L HTM 600	660 g/m <sup>2</sup>	plain	0.85 mm
KlevoGlass Texo 656 L HTM 600	670 g/m <sup>2</sup>	plain	0.85 mm
KlevoGlass Texo 720 V4A RL HTM 600	740 g/m <sup>2</sup>	rib weave	1.00 mm
KlevoGlass Texo 920 KK HTM 600	920 g/m <sup>2</sup>	cross twill	1.30 mm
KlevoGlass Texo 936 KK HTM 600	940 g/m <sup>2</sup>	cross twill	1.30 mm
KlevoGlass Texo 1020 V4A RL HTM 600	1040 g/m <sup>2</sup>	rib weave	1.30 mm
KlevoGlass Texo 1230 V4A P HTM 600	1240 g/m <sup>2</sup>	panama	1.65 mm



KlevoGlass Texo HTM 600

700 °C

## KlevoGlass Htex KlevoGlass (V4A) HT70/HT90

Fabrics made of processed E-Glass (also with V4A wire reinforcement) for applications with continuous temperature exposure of up to 700 °C.

The finishing process can be carried out on yarn or twine (KlevoGlass Htex) or on fabric (KlevoGlass ... (V4A) for example, HT 70).

Available in different constructions and widths and also with application-specific functional finishings and laminations.

Additional finishings such as coatings, laminations and wet finishings have an effect on the temperature resistance.

### KlevoGlass Htex

We supply these fabrics in weights per unit area of between around 660 g/m<sup>2</sup> and 1370 g/m<sup>2</sup> in thicknesses from 0.9 mm up to 2.2 mm. Widths of between 50 and 200 cm are possible, depending on our customers requirements.

### KlevoGlass (V4A) HT70/HT90

We supply these fabrics in weights per unit area of between around 290 g/m<sup>2</sup> and 2040 g/m<sup>2</sup> in thicknesses from 0.3 mm up to 3.2 mm.

Here is a selection from our standard range:

Fabrics made of texturised and high-temperature processed yarns or twines.

	Weight	Weave	Thickness
KlevoGlass Htex 670 L gelb	660 g/m <sup>2</sup>	plain	0.90 mm
KlevoGlass Htex 740 P gelb	740 g/m <sup>2</sup>	panama	1.20 mm
KlevoGlass Htex 980 RL gelb	980 g/m <sup>2</sup>	rib weave	1.30 mm
KlevoGlass Htex 1080 L gelb	1080 g/m <sup>2</sup>	plain	1.30 mm
KlevoGlass Htex 1300 K gelb	1300 g/m <sup>2</sup>	twill	2.20 mm
KlevoGlass Htex 1376 L gelb	1370 g/m <sup>2</sup>	plain	2.00 mm

Fabrics with high-temperature finishings – also with V4A-wire reinforcement.

	Weight	Weave	Thickness
KlevoGlass Texo 260 L HT70	290 g/m <sup>2</sup>	plain	0.30 mm
KlevoGlass Texo 640 L HT70	670 g/m <sup>2</sup>	plain	0.85 mm
KlevoGlass Texo 656 L HT70	680 g/m <sup>2</sup>	plain	0.85 mm
KlevoGlass Texo 920 KK HT70	960 g/m <sup>2</sup>	cross twill	1.25 mm
KlevoGlass Texo 936 KK HT70	960 g/m <sup>2</sup>	cross twill	1.25 mm
KlevoGlass Texo 970 RL HT70	1010 g/m <sup>2</sup>	rib weave	1.20 mm
KlevoGlass Texo 1100 P HT70	1130 g/m <sup>2</sup>	panama	1.50 mm
KlevoGlass Texo 2000 DG HT70	2040 g/m <sup>2</sup>	double weave	3.10 mm

All listed fabrics are also available with HT90 finishing (special welding protection).

Our high vertical manufacturing range offers many opportunities to produce fabrics for the most diverse of requirements.

For information on combination options with additional finishings, see our information sheet "Coatings, laminations, wet finishing".

500 °C

600 °C

650 °C

700 °C

750 °C

800 °C

1000 °C

1200 °C

800 °C



**HtexPlus**  
**HtexS-Plus**

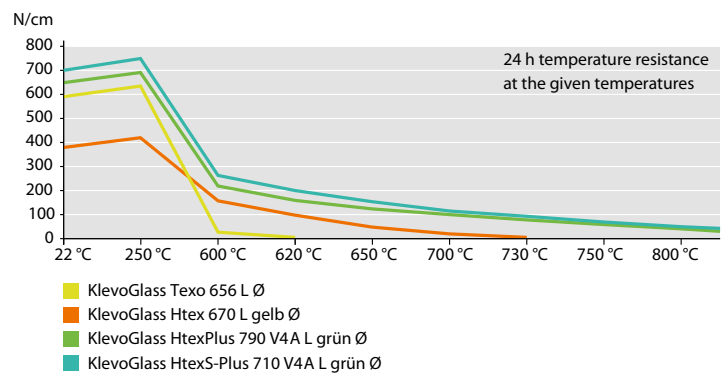
**HtexPlus and HtexS-Plus fabrics made of specially processed glass yarns which give them exceptional temperature resistance. HtexPlus and HtexS-Plus retain their durable textile form even after being exposed to temperatures of up to 800 °C for many hours.**

The difference between HtexPlus and HtexS-Plus is in the filament diameter.

If required, we also offer these products V4A wire reinforced, in different weights per unit area, with different fabric weaves, in different thicknesses and with various coatings as well as foil laminations etc.

Additional coatings or laminations may reduce the temperature resistance of the finished product.

**Our high vertical manufacturing range offers many opportunities to produce fabrics for the most diverse of requirements. For information on combination options with additional finishings, see our information sheet “Coatings, laminations, wet finishing”.**



500 °C

600 °C

650 °C

700 °C

750 °C

800 °C

1000 °C

1200 °C

800°C

Here is a selection of our standard range:

## HtexPlus

We supply these fabrics in weights per unit area of between around 400 g/m<sup>2</sup> and 1080 g/m<sup>2</sup> in thicknesses from 0.65 mm up to 1.55 mm. Widths of between 30 and 250 cm are possible, depending on our customers requirements.

Fabrics made of high temperature processed special glass with excellent temperature resistances and a durable textile form, even after long-term temperature loads of up to 800°C.

	Weight	Weave	Thickness
KlevoGlass HtexPlus 420 L	400 g/m <sup>2</sup>	plain	0.65 mm
KlevoGlass HtexPlus 750 K	760 g/m <sup>2</sup>	twill	1.40 mm
KlevoGlass HtexPlus 790 V4A K	800 g/m <sup>2</sup>	twill	1.40 mm
KlevoGlass HtexPlus 1080 V4A P	1080 g/m <sup>2</sup>	panama	1.55 mm



KlevoGlass HtexPlus 790 V4A K

## HtexS-Plus

We supply this fabric in a weight per unit area of 710 g/m<sup>2</sup> in a thickness of 1.2 mm. Widths of between 30 and 250 cm are possible, depending on our customers requirements.

Fabric made of high temperature processed special glass with excellent temperature resistances and a durable textile form, even after long-term temperature loads of up to 800°C.

By using finer diameters, we have been successful in developing additional improved processing capabilities for the HtexPlus products, for example a softer grip and higher vibration resistance, even after exposure to temperatures.

	Weight	Weave	Thickness
KlevoGlass HtexS-Plus 710 V4A L grün	710 g/m <sup>2</sup>	twill	1.15 mm

1000 °C



**KlevoSil**  
**KlevoSil Texo**

**KlevoSil and KlevoSil Texo are fabrics made of silica glass for applications with continuous exposure to temperatures of up to 1000 °C.**

The KlevoSil and KlevoSil Texo fabrics are made of silica glass yarns/twines with a silicon dioxide percentage > 94%. Due to the extremely high silicon dioxide content our KlevoSil and KlevoSil Texo fabrics are constantly temperature resistant up to 1000 °C.

Due to the higher temperature resistance, we use stainless steel with material number 1.4841 - AISI/SAE 314/314L to reinforce the silica glass product.



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500 °C

600 °C

650 °C

700 °C

750 °C

800 °C

1000 °C

1200 °C



Here is a selection of our standard range:

## KlevoSil

We supply these fabrics in weights per unit area of between around 300 g/m<sup>2</sup> and 1100 g/m<sup>2</sup> in thicknesses from 0.4 mm up to 1.2 mm. Widths of between 88 and 100 cm are possible, depending on our customers requirements.

Fabrics made of silica glass yarns with a silicon dioxide percentage of more than 94%.

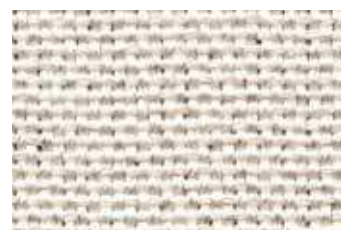
	Weight	Weave	Thickness
KlevoSil 300 L	300 g/m <sup>2</sup>	plain	0.40 mm
KlevoSil 600 A	600 g/m <sup>2</sup>	sateen	0.60 mm
KlevoSil 1100 A	1100 g/m <sup>2</sup>	sateen	1.20 mm

## KlevoSil Texo

We supply these fabrics in weights per unit area of between around 730 g/m<sup>2</sup> and 1150 g/m<sup>2</sup> in thicknesses from 1.2 mm up to 2.0 mm. Widths of between 50 and 250 cm are possible, depending on our customers requirements.

Fabrics made of texturised silica glass yarns or twines, also with V4A wire reinforcement, with a silicon dioxide percentage of more than 94%.

	Weight	Weave	Thickness
KlevoSil Texo 730 L	730 g/m <sup>2</sup>	plain	1.20 mm
KlevoSil Texo 770 V4A L	770 g/m <sup>2</sup>	plain	1.20 mm
KlevoSil Texo 1150 L	1150 g/m <sup>2</sup>	plain	2.00 mm



KlevoSil Texo 770 V4A L

1200 °C

**SESTONIT® by KLEVERS**

**SESTONIT®**

**SESTONIT® is a special fabric that is resistant to high temperatures and has the added benefit of being thermo-indicative at approximately 800 °C (colour change from green to blue).**

Compared to silica fabrics, SESTONIT's® application temperature is approximately 200 °C higher and its main features include an increase in tensile strength between 800 °C and 900 °C, as well as high cut resistance in its unfinished state. The continuous application temperature for SESTONIT® is 1200 °C.



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500 °C

600 °C

650 °C

700 °C

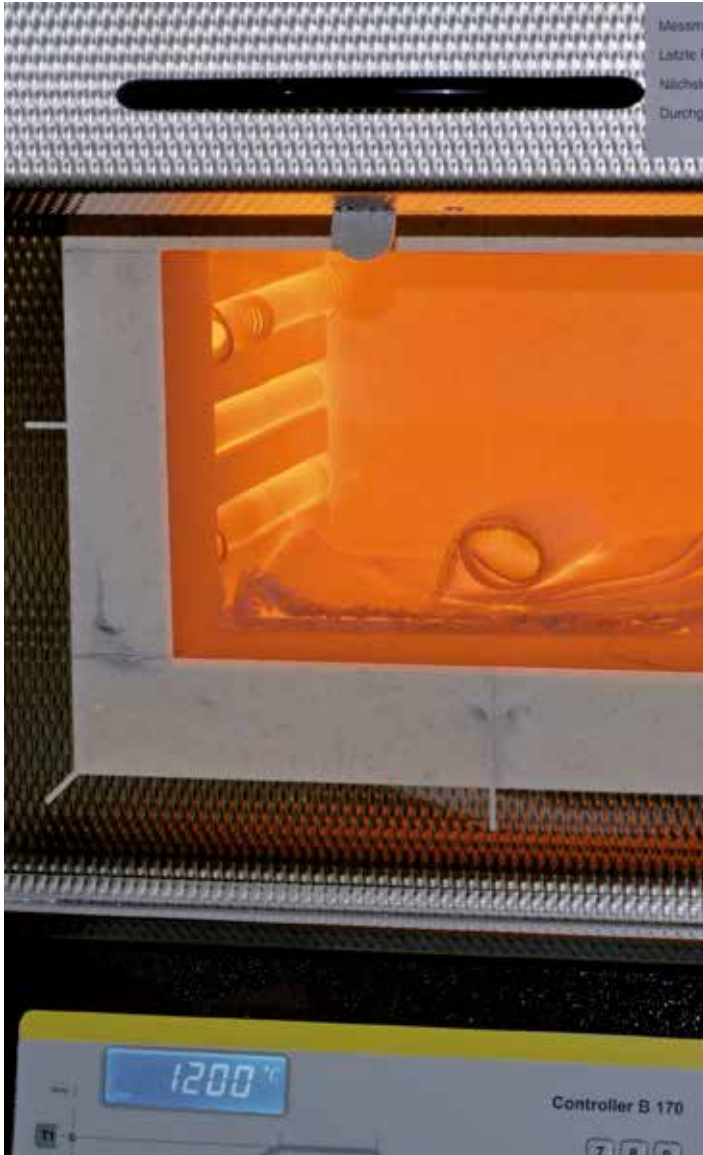
750 °C

800 °C

1000 °C

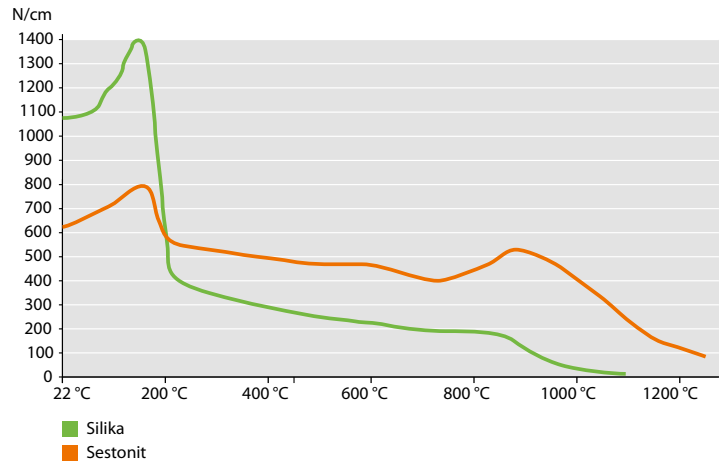
1200 °C

1200 °C



## Technical data

<b>Product name:</b>	SESTONIT® 1100 A
<b>Weight:</b>	> 1100 g/m <sup>2</sup>
<b>Width:</b>	88 cm – other widths are also possible on request
<b>Thickness:</b>	> 1,0 mm
<b>Weave:</b>	Sateen
<b>Application temperature:</b>	1200 °C (short-term 1250 °C)
<b>Thermo-indicative effect:</b>	irreversible colour change at around 800 °C
<b>Tensile strength:</b>	see diagram



Coatings

Wet finishing

## Coatings

ID	Material base	Standard colours	Temperature range	Chemical characteristics
<b>Gw</b>	1 or 2-sided coating on polyurethane base with functional filler <b>Application features:</b> good abrasion and cut resistance, thermally weldable (if requested)	grey/white	-30 °C up to 200 °C	limited hydrolysis resistance, limited mineral oil resistance
<b>Gl</b>	1 or 2-sided coating on polyurethane base with functional filler <b>Application features:</b> good abrasion and cut resistance, Gl green: good UV resistance	grey, white, red/brown, green	-30 °C up to 200 °C	water-repellent, improved hydrolysis resistance, improved mineral oil resistance
<b>Gp</b>	1 or 2-sided coating on PVA base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey, white	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>Gv</b>	1 or 2-sided coating on modified-PVAC base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>Ga</b>	1 or 2-sided coating on PAC base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>FC</b>	1 or 2-sided coating on fluoropolymer base with functional filler <b>Application features:</b> very good light and UV resistance, weatherproof, HF-weldable	grey	-50 °C up to 180 °C (270 °C)	water-repellent, good hydrolysis resistance dirt and oil-resistant, limited solvent resistance
<b>SI</b>	1 or 2-sided coating on silicone basis with functional filler <b>Application features:</b> weatherproof, good light and UV resistance, high flexibility, good electrical isolation options, good abrasion and cut resistance, food safe version (if requested)	grey, white, red/brown, black	-45 °C up to 260 °C	water-repellent, good resistance to acids and lyes (20 °C), dirt and oil-repellent
<b>PTFE</b>	1 or 2-sided coating on PTFE basis with functional filler <b>Application features:</b> weatherproof, good light and UV resistance, good abrasion and cut resistance, can be food safe, can be antistatic	grey, black, beige	-70 °C up to 260 °C (315 °C)	very good resistance against almost all chemical bonds, dirt and oil-repellent
<b>VM</b>	1 or 2-sided coating on vermiculite (mica-vermiculite) with functional filler <b>Application features:</b> improved abrasion and cut resistance, flame-resistance, protection against liquid metal	gold/brown	Vermiculite up to 900 °C (1600 °C)	n.a.

## Wet finishing

ID	Description	Colour	Temperature range	Chemical characteristics
<b>F 111</b>	thermal desizing <b>Application features:</b> Residual sizing content < 0.5 %, minimal smoke production, good laminate basis	brown	500 °C up to 550 °C	as for E-Glass
<b>SF</b>	organic non-slip finish <b>Application features:</b> good abrasion and cut resistance, can be soft or rigid, can be hydrophobic	white	decomposition of non-slip finish above 150 °C	n.a.
<b>HTA</b>	inorganic non-slip finish <b>Application features:</b> good abrasion and cut resistance, can be soft or rigid, superior temperature resistance	white, grey, blue, yellow, red, green, black	600 °C up to 650 °C	as for E-Glass
<b>HT C</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance	brown	600 °C	as for E-Glass
<b>HTM 600</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance, smokeless, retains its colour	brown	600 °C	as for E-Glass
<b>HT 70</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance (green = retains its colour)	white, grey, green	700 °C	as for E-Glass
<b>HT 90</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance, protection against liquid metal	white, grey, blue, yellow, red, green, black	700 °C	as for E-Glass
<b>HRW F 120</b>	inorganic non-slip finish improved abrasion and cut resistance, superior temperature resistance, protection against liquid metal	beige, blue, green	700 °C	as for E-Glass



## Laminations

ID	Foil	Colour	Temperature range	Chemical characteristics
<b>Alfol FLT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 150 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>Alfol MT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 180 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>Alfol HT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 250 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>AL PET FLT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 150 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, good flexibility			
<b>AL PET MT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 180 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, good flexibility			
<b>AL PET HT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 250 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, very good flexibility			
<b>AL TF</b>	Aluminium-pigment lamination	shiny	180 °C–200 °C, resistance depends on application	n.a.
	<b>Application features:</b> good flexibility, very good heat reflection			
<b>AL TFL</b>	Aluminium-pigment lamination + protective finish	shiny	180 °C–200 °C, resistance depends on application	n.a.
	<b>Application features:</b> good flexibility, very good heat reflection, resistance to weathering limited			
<b>Niro HT</b>	Stainless steel foil 25 µm and 50 µm	metallic shiny, smooth/embossed	adhesive resistant up to 250 °C, stainless steel foil resistant up to 1000 °C	very high chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight			
<b>PTFE FLT</b>	PTFE foil 100 µm and 200 µm	brown, black	adhesive resistant up to 150 °C, PTFE foil resistant up to 260 °C	very good resistance to almost all chemical bonds, dirt and oil-repellent (foil)
	<b>Application features:</b> media-tight, gas-tight			
<b>PTFE HT</b>	PTFE foil 100 µm and 200 µm	brown, black	adhesive resistant up to 250 °C, PTFE foil resistant up to 260 °C	very good resistance to almost all chemical bonds, dirt and oil-repellent (foil)
	<b>Application features:</b> media-tight, gas-tight			



**Sewing threads for applications up to 1000°C**

### **E-Glass – sewing threads**

We provide sewing threads made of E-Glass with yarn counts of approx. 204 to 408 Tex. The thread diameters are around 0.3mm to 1.0mm. Glass sewing threads are available with PTFE or polyurethane coatings. The temperature resistance of the glass thread is 500°C (polyurethane 200°C/PTFE 250°C). With some types, the temperature resistance can be increased to 700°C by using additional finishings. E-Glass – sewing threads are also available with V4A wire reinforcements.

### **Covered stainless steel – sewing threads**

We provide stainless steel sewing threads that are covered by cotton, polyester or aramid threads with a total yarn count of between 140 and 230 Tex. The thread diameters are around 0.2 mm to 0.4 mm with a temperature resistance of between 500°C and 1000°C (depending on the strength and number of wires).

### **Silica glass**

We provide these sewing threads with a yarn count of approx. 350 Tex. The temperature resistance is up to 1000°C.

**For detailed information on our delivery programme, please contact us.**

500 °C

800 °C

1000 °C



All needed mats can be laminated with aluminium foil and/or with a self-adhesive film. Foil thicknesses (aluminium) of 25–250 µm are used.

## Needed mats 500 °C

The standard width for these mats is 100 cm. Other widths are also possible on request. We provide E-Glass mats in thicknesses from 3 up to 25 mm in weights per unit area from 300 up to 4500 g/m<sup>2</sup>. (Density: 100 Kg/m<sup>3</sup> to 170 Kg/m<sup>3</sup>).

## Needed mats 800 °C

The standard width for these mats is 95 cm. Other widths are also possible on request. We supply these mats in thicknesses from 8 up to 20 mm in weights per unit area from 960 up to 3000 g/m<sup>2</sup>. (Density: 120 Kg/m<sup>3</sup> to 150 Kg/m<sup>3</sup>).

## Needed mats 1000 °C

The standard width for these mats is 100 cm. Other widths are also possible on request. We provide silica glass mats in thicknesses from 3 up to 25 mm in weights per unit area from 400 up to 4500 g/m<sup>2</sup>. (Density: 100 Kg/m<sup>3</sup> to 170 Kg/m<sup>3</sup>).

**Our sales and technology teams are available at any time for a personal discussion of your requirements.**



500°C

700°C

1000°C



**Fabric tapes (up to 200 mm)  
for applications up to 1000°C.**

All tapes can also be  
desized and/or provided  
with a self-adhesive film.

### **Tapes for applications up to 500°C**

We provide E-Glass fabric tapes in widths of 10 mm to 200 mm. Fabric thicknesses of between 0.08 mm and 6.0 mm are possible. The weights per unit area for these tapes are between 100 and 3000 g/m<sup>2</sup>.

The temperature resistance of some E-Glass fabric tapes can be increased to 700°C by an additional finishing.

### **Tapes for applications up to 1000°C**

We provide silica glass fabric tapes in widths of 10 mm to 100 mm. Fabric thicknesses of between 0.2 mm and 3.0 mm are possible. The weights per unit area for these tapes are between 200 and 1600 g/m<sup>2</sup>.

**For detailed information on our delivery programme, please contact us.**



600°C



**Gaskets,  
ropes and cords,  
hoses**

## Gaskets

We supply gaskets made of plied and texturised E-Glass for application temperatures up to 550°C. These gaskets can be delivered in a round or square cross-section. Diameter or edge length of the cross section from 3 to 50 mm.

## Ropes and cords

We supply ropes and cords made of E-Glass in diameters from 2 to 50 mm. Ropes or cords always have a round cross-section and are tightly braided or consist of an overbraided E-Glass core. The temperature resistances are 450°C, 500°C or 600°C, depending on type.

## Hoses

We supply hoses made of E-Glass in diameters up to 80 mm. The wall thicknesses are 0.3 mm up to 3.0 mm, depending on the diameter. Temperature resistance: 450°C

**For detailed information on our delivery programme, please contact us.**