

Yarn KRECA YARN



About the Product

- KRECA YARN is a twisted carbon fiber. We spin 2 or 3 fibers in the production process.

Main Usages or Applications

- Gland packing
- Material for high temperature industrial furnaces
- Filter material for solvents

Features

- **Chemical Resistance** – less chemical reaction property
- **Heat Resistance** – suitable for high temperature atmosphere

Installation Advantages

- Flexibility and chemical resistance properties are suitable for packing material

Specifications of KRECA YARN

measuring method: Kureha standard test method

		Y-101, Y-111	Y-102, Y-112	Y-103, Y-113	HY-102, HY-112*
Number of Strands	ply	1	2	3	2
Yarn Weight	TEX	445	950	1445	1500
	Denier	4000	8500	13000	13500
Number of Twists	per/m	90	110	100	110
Yarn Diameter	mm	1~1.5	2.0	2.5	2.0
Strength	N	>50	>90	>120	>160
Density	g/cm ³	1.6~1.7	1.6~1.7	1.6~1.7	1.6~1.9
Carbon Content	wt %	>95	>95	>95	>94
Ash	wt %	<1	<1	<1	<1
Moisture	wt %	<10	<10	<10	<10
Electrical Resistance	Ω/m	-	-	170	30
Twist Direction	Y-101,102,103,HY-102 Y-111,112,113,HY-112	S/right Z/left	S/right Z/left	S/right Z/left	S/right Z/left

* HY grades are twisted with PAN fiber

Carbon Cloth KRECA CLOTH



About the Product

- KRECA CLOTH is a carbon fiber cloth of KRECA YARN origin.

Main Usages or Applications

- Base material for carbon fiber composite (CFRP, CFC)
- Surface treatment for KRECA FR

Features

- **Slide Ability** – Cut carbon fiber makes easier to slide

- **Chemical Resistance** – less chemical reaction property
- **Heat Resistance** – suitable under high temperature atmosphere
- **High Strength** – suitable for protective treatment

Installation Advantages

- Suitable to add slide ability in cloth form
- Suitable for protection of target material inside furnace

Specifications of KRECA CLOTH

measuring method: Kureha standard test method

Grades		P-200	B-300
Weave		plain weave	basket weave
Thickness	mm	0.50	0.6
Standard Mass	g/m ²	210	295
Weave Density	Warp	numbers/inch	19
	Fill	numbers/inch	27
Surface Resistance	Standard Type	Ω/m ²	150
	Graphitized Type		10
Tensile Strength	Warp	kN/5cm	>0.49
	Fill		>0.49

Paper / Veil Mat KRECA PAPER KRECA VEIL MAT



KRECA PAPER

KRECA VEIL MAT

About the Product

- KRECA PAPER is made from KRECA CHOP using the paper manufacturing process.
- KRECA VEIL MAT is formed by air-layered process using KRECA CHOP as raw material.
- KRECA VEIL MAT is thicker and stronger compared to KRECA PAPER.

Main Usages or Applications

- Carbon paper: lining mat in ceramic baking process, quartz production process, etc. [KRECA PAPER]
- Reinforcement material for plastic and cement [KRECA VEIL MAT]
- Add electrical conductivity and slide ability to the compound [KRECA VEIL MAT]

Features

- **Slide Ability** – Cut carbon fiber makes easier to slide
- **Corrosion Resistance** – reduces corrosion
- **Heat Resistance** – suitable under high temperature
- **High Purity** – low contamination to the product in contact
- **High Affinity** – high affinity to the soaking resin

Specifications

Products	KRECA PAPER			KRECA VEIL MAT
	E-704	E-525	V-209P	
Thickness(mm)	0.3	1.2	2	
Standard Mass(g/m ²)	40	300	140	
Width(mm)	-	-	1000	