

# Felts – Veil

## Product description

Veil made of TENRON cut (staple) fibres used as a high-grade surface material for advanced composites.



## Article reference

**VNW (Veil Nonwovens), EX.:**

**VNW BSB3\_100(11).0120.1,27.IS65T**

- Batch composition's reference
- Specific surface weight (gr/m<sup>2</sup>)
- Diameter of virgin (elementary) fibres (µm.)
- Length of roll (m)
- Width of roll (cm)
- Sizing reference of constituent filaments(\*)

## Properties

**Volume density of constituent fibres  
(according to ASTM C693)**

2.600 gr/cm<sup>3</sup>

**Specific surface weight**

From 20 up to 100 gr/m<sup>2</sup>

**Constituent filament diameter**

11 µm.

**Coefficient of variation**

2,5%

**Thickness of veil**

From 0,20 up to 1,5mm

**Cut fibres length**

From 20 up to 100mm

## Thermal properties (according to DIN ISO 7884)

**Melting point**

1.560 °C

**Transition temperature**

730 °C

**Softening point**

940 °C

## Operating thermal range (continuous)

From -200°C up to 850°C

## Sizing

**Content, % weight (loss of ignition, LOI)**

0,4 – 1,5 % (according to customer's request)

**Moisture content, % weight**

Less than 0,1 %

**Resin (matrix) compatibility**

Epoxy, polyester, vinylester, PA, PP, PEEK, BMI, etc..

## Standard Packaging

The rolls are individually labeled and wrapped with stretched plastic film for protection and improved handling.

### Width (m)

1,27m

### Length (m)

Up to 120m/ mat

### Inner diameter of cardboard sleeve

150,0mm (by default)

## Benefits of TENRON in end-applications

Please see our website, under "applications".

## Storage and usage conditions

ISOMATEX S.A. recommends storage in a cool and dry warehouse into the original packaging. For an optimal processing we recommend to use the product in ambient conditions (20 - 23 °C, 60 - 65% relative humidity). TENRON roving need to be kept in the workshop at least 24 hours prior to usage.

## Sustainability

- ISOMATEX S.A. respects the environmental directives of the **European Union** and is **REACH compliant** (Regulation, Evaluation, Authorisation and Restriction of Chemicals) .
- TENRON is fully and easily recyclable. For more information on **sustainability** and our **LCA**, please see our website and / or contact us.

For more detailed information, please contact the Isomatex Sales Department at **info@isomatex.com** or by phone at the following number: **+32 (0)81.72.86.86**

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