

# Substrates

## – Hybrid TENRON–Flax Woven Fabrics

### Product description

This innovative substrate blends TENRON and Flax to create a sustainable, high-performance fabric. It offers excellent strength, stiffness, and vibration damping with low environmental impact. Ideal for automotive, sports, and construction applications. Compatible with standard composite processing methods.



### Article reference

**HTF-WF (TENRON and Flax), EX.: HTF-WF 210. 150. 1,27. T2/2.IS65T**

- Specific surface weight (g/m<sup>2</sup>) \_\_\_\_\_
- Length of roll (m) \_\_\_\_\_
- Width of roll (cm) \_\_\_\_\_
- Weaving pattern \_\_\_\_\_
- Sizing reference of constituent filaments (\*) \_\_\_\_\_

### Physical properties

#### Volume density of constituent filaments (according to ASTM C693)

TENRON : 2.600 g/cm<sup>3</sup>

Flax (Commonly available) : 1.400 g/cm<sup>3</sup>

#### Specific surface weight

From 210 up to 600 g/m<sup>2</sup>

#### Construction (weaving pattern)

Plain, Twill, Satin

### 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..

(\*) see Isomatex Sales department for more information

## Standard Packaging

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

### Width (m)

1,27m

### Length (m)

Depending on the customer's request

### Weight (kg)

Depending on length and surface weight

## 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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