

Fibres

– Chopped Strands

TENRON®

Product description

Chopped strands made of TENRON fibres are engineered to enhance the strength of thermoplastics or thermoset composites. They can be applied in both wet and dry fibre laying procedures, as well as in compounding and injection molding.



Article reference

CS (Chopped Strands), EX.:

CS BSB3_011.06.IS65T.D

- Batch composition's reference _____
- Diameter of virgin (elementary) filaments (µm) _____
- Length of chopped fibres (mm) _____
- Sizing reference(*) _____
- Type (Dry or Wet) _____

Physical properties

Volume density of constituent fibres
(according to ASTM C693)

2.600 gr/cm³

Constituent fibres diameter

11,0 µm.

Coefficient of variation

2,5%

Chopped/ cut fibres length

From 3,0 up to 60 mm

Thermal properties (according to DIN ISO 7884)

Melting point

1.560 °C

Transition temperature

730 °C

Softening point

940 °C

Operating properties (according to DIN ISO 7784)

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 of fibers, % weight of sized and dried fibers

Less than 0,1 %

Resin (matrix) compatibility

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

Standard Packaging

Sealed in plastic bag (individually labeled), packed in carton on wooden palette.

Weight (kg)

Minimum 25 kg/bag

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**

DISCLAIMER OF LIABILITY

The data presented above is provided solely as a guide in the selection of fibre reinforcement. The information mentioned in this leaflet is based on actual ISOMATEX laboratory data and field test experience. Due to numerous factors in downstream processability that may affect results, we consider this information reliable but do not guarantee its applicability to the user's process or assume any liability arising from its use or performance. The end-user, by accepting the products described herein, assumes the responsibility for thoroughly testing any application to determine its compliance before committing to production. It is important for the end-user to determine the properties of their own commercial compounds when using this or any other fibre reinforcement.

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