

Coats® Gotex FG AW

Coats Gotex FG AW is a strength member made from E-glass fibres and is primarily used as a peripheral resistance element in fibre optic cables.

This flat, flexible fiberglass yarn is comprised of a premium E-glass covered with a special anti-wick coating to improve the yarn properties and increase abrasion resistance in high speed process.

COATS
gotex fg aw



ANTI-WICK
FIBRE GLASS

FIBRE PERFORMANCE:

- All dielectric
- Excellent flexibility, with perfect adaptation to the cable's shape
- Fire-proof and rodent-proof
- No fibre or dust during processing

FIBRE FEATURES:

- Standard and continuous width and thickness
- Extremely soft coating finishes that do not mark the cable jacket
- Premium quality raw materials
- Anti-wicking properties under fesh and seawater

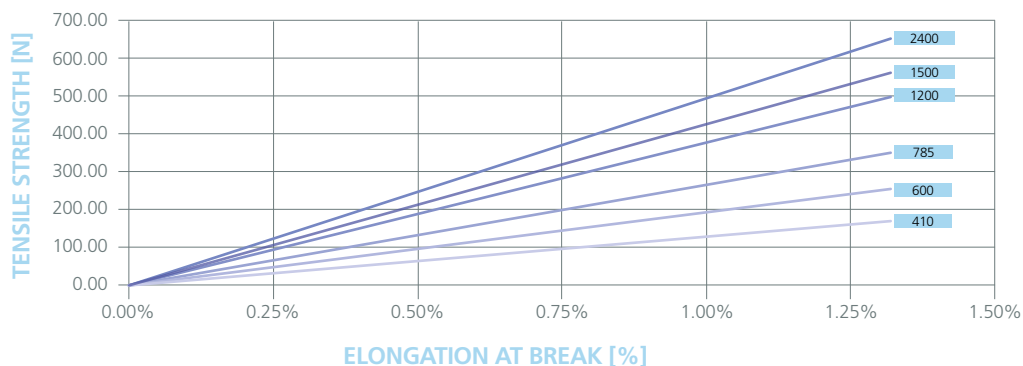


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PRODUCT PROPERTIES

Tex	Weight g/m	Yield m/kg	Lase 0.30% N	Lase 0.50% N	Lase 1.00% N	Young's Modulus GPa	Tensile Strength N	Elongation at break %
410	0.42	2439.02	45	70	140	75	230	2.10
600	0.62	1612.90	65	100	190	75	320	2.20
785	0.75	1333.33	80	125	240	75	475	2.30
1200	1.25	800.00	130	200	370	75	650	2.30
1500	1.62	617.28	145	225	455	65	1020	2.40
2400	2.45	408.16	230	360	700	70	1300	2.30

More products and different properties available upon request.

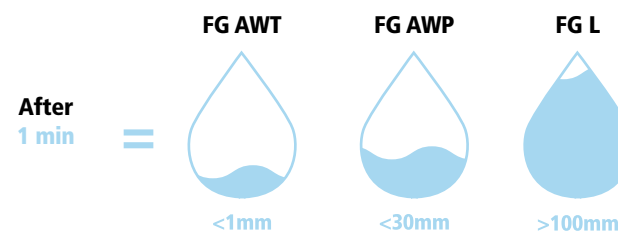


The graph is only displaying estimated values. Please do not use it for identifying the product properties. For accurate values we refer to the numerical data.



TEST WICKING

To test wicking, we submerge a 150mm FG yarn in 50 mm water and measure the length of FG that is wet after certain amount of time.

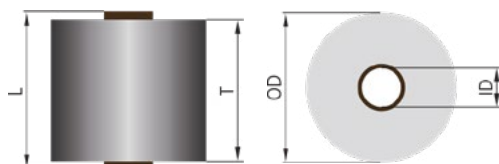


AWT - Total Anti-wick
AWP - Partial Anti-wick



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PACKAGING OPTIONS



Tube Ref.	I.D.	Lenght	Traverse	Max. O.D.	Surface
T77x272	77mm	272mm	250mm	300mm	Rough
T94x215	94mm	215mm	195mm	300mm	Rough
T94x290	94mm	290mm	250mm	300mm	Rough
T107x215	107mm	215mm	195mm	300mm	Rough
T127x215	127mm	215mm	195mm	300mm	Rough & Sliced

FIBRE PACKING:

- Pressed and precision wound, guarantees high-speed serving during cable jacketing
- Tailored spools with exact meters or diameter
- Yarn queue is identified with a label for easy processing
- Plastic bag in each package: keeps the yarn in perfect shape for usage
- Textured cardboard surface to prevent yarn slipping through the tube
- Automatic label generation, allows to trace the whole process
- Each batch is delivered with Quality Certificate of properties

EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com/gotex-fg-aw

