

**FVPUW1200**

Fiberglass coated with polyurethane and water blocking

1.300 tex

Swellable tensile strength member

Used mainly for OPTICAL FIBER CABLES

Product Code: 120007120674



A first quality fiberglass yarn is coated with polyurethane to obtain even a higher tensile strength at break than raw glass. Secondly, we apply an extra coating, made with last generation super absorbent polymer, giving to product the property to absorb and eliminate later any quantity of liquid which is in contact with yarn, as many times as it be necessary.

The coating process also improves its quality in surface, because polyurethane eliminates the annoyed fibers that clearly identifies raw fiberglass without loose any initial property from the raw fibreglass.

**BENEFITS & FEATURES**

## In product...

- Excellent LASE resistances compared with other coated fibers.
- Flat fiber, with regular and continuous width and thickness
- Smooth coating, doesn't create any interference in cable surface
- First quality raw material
- No dust during manipulation, even being a water blocking fiber

## In performance...

- Non conductive material
- Variable level of flexibility, with perfect adaptation to the cable's shape
- High swelling power and fast reaction against water
- Fire-proof and rodent-proof, due to the use of glass fibers

## In packing...

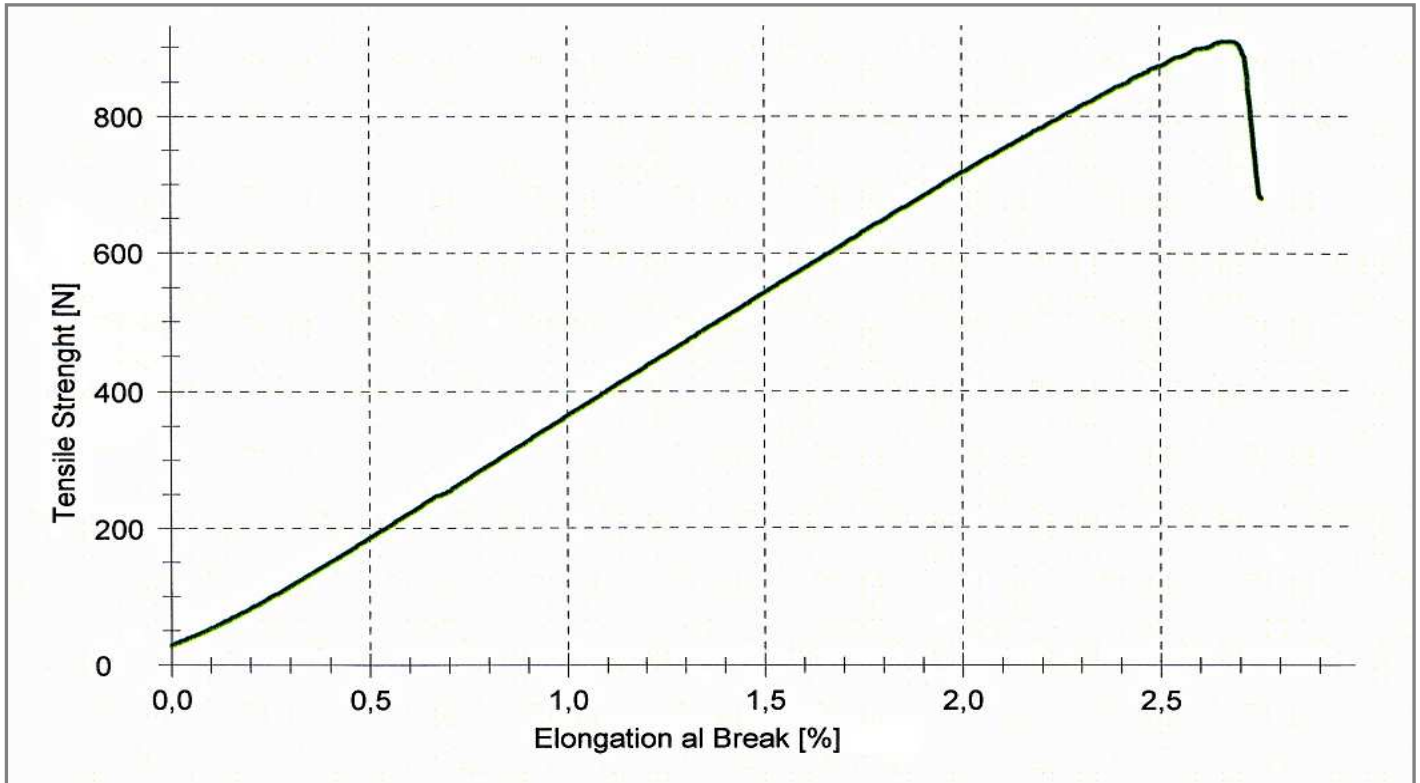
- Pressed and precision wound, guarantees high-speed serving during cable jacketing
- Tailored spools: by exact meters or diameter
- Yarn queue is identified with a label for easy processing
- Plastic bag in each package: keeps the yarn in perfect shape for usage, even if stocked for long periods
- Textured 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.

**Technical Data**

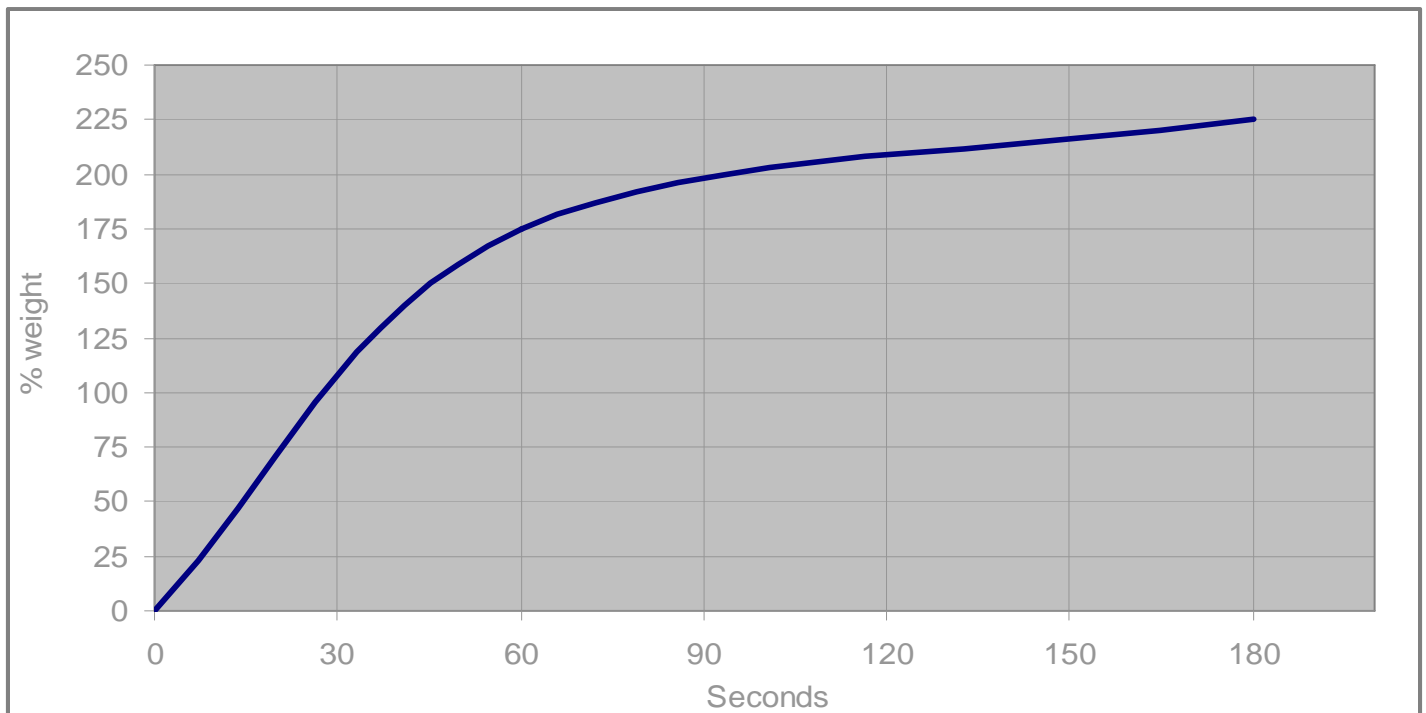
Product Property		Unit	Lowest value	Nominal Value	Highest Value
Linear density		TEX	1.170,00	1.300,00	1.430,00
Tensile strength <sup>(1)</sup>		Newton	800,00	900,00	-
Elongation at break		%	2,30	2,70	3,10
Young Modulus		Gpa	-	71,72	-
LASE 0,30% <sup>(2)</sup>		Newton	100,00	115,00	-
LASE 0,50% <sup>(2)</sup>		Newton	165,00	185,00	-
LASE 1,00% <sup>(2)</sup>		Newton	320,00	360,00	-
LASE 1,50% <sup>(2)</sup>		Newton	490,00	545,00	-
Weight		Gram/meter	1,17	1,30	1,43
Runnage		meters/Kilogram	699,30	769,23	854,70
Weight increase immersed in water <sup>(3)</sup>	60"	%	155,00	175,00	-
	180"	%	200,00	225,00	-

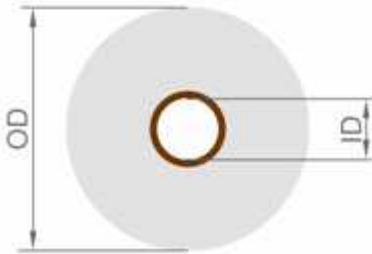
1 Test-speed: 100mm/min 2 Pre-tension: 0,02 N/Tex 3 Deionized, 20°C

**TENSILE STRENGTH GRAPH**



**ΔWEIGHT VS. TIME (IMMERSED IN WATER)**



**Packing Details**

Tube reference	Inner Diameter	Length	Traverse	Outer diameter (max)	Surface
T76x275	76 mm	275 mm	250 mm	300 mm	Rough
T94x215	94 mm	215 mm	195 mm	300 mm	Rough
T94x290	94 mm	290 mm	250 mm	300 mm	Rough
T107x215	107 mm	215 mm	195 mm	300 mm	Rough
T127x215	127 mm	215 mm	195 mm	300 mm	Rough and sliced

**D I S C L A I M E R**

Data and values shown in this file are according our laboratory tests. Although every detail comes from our experience and knowledge, it can not be used as a warranty of any kind because too many factors are involved in the results, so we can not take on any responsibility from here.

Should the products described here be accepted, the end-user will carry out necessary tests to make sure that products are suitable for the desired application.

In the same way, **GOTEX S.A.** keeps the right to make changes in this data sheet without previous notice.

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