



**GARWARE**  
TECHNICAL FIBRES

**DECLARATION OF PERFORMANCE**  
NO. 2765-CPR-0146-FRN-2

1. Unique identification of the product type : 2T Flexible Rope Net
2. Type, Batch or Serial Number : FRN-2
3. Intended use/es : Filtration, Separation, Reinforcement
4. Manufacturer : Garware Technical Fibres Limited,  
Plot No:11, Block 01, M.1.0.C Chinchwad,  
Pune, Maharashtra, India.
5. System or systems of assesment and verification of consistency of the performance of the construction of the product : System 2 +
6. Harmonised standard : EN 13249:2016, EN 13250:2016, EN13251:2016  
EN 13253:2016, EN 13254:2016, EN13255:2016  
EN 13256:2016, EN 132057:2016
7. Notified bodies : SZUTest Notified body number 2765
8. Declared Performance/s :

Essential Characteristics	Performance	Test Standard	Harmonized technical specification
Tensile strength, MD Tensile strength, CMD	MD- 25 kN/m (- 1 kN/m) CMD- 8.5 kN/m (-0.8 kN/m)	EN ISO 10319	EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN13255:2016, EN 13256:2016, EN 13257:2016
Elongation at Maximum load, MD Elongation at Maximum load, CMD	MD 15 % (- 2 %) CMD 75 % (- 5 %)	EN ISO 10319	
Mass/ unit area, Minimum	195 gms/sq. Meter	ISO 9864	
Thickness @ 2 kPa, Minimum	2 mm	ISO 9863-1	
Static Puncture strength (CBR)	1.5 kN (-0.2 kN)	EN ISO 12236	
Characteristic Opening Size O <sub>90</sub> , Maximum	No Performance determined	EN ISO 12956	
Water permeability (q <sub>N</sub> ), Minimum	No Performance determined	EN ISO 11058	
Resistance to hydrolysis test	% Strength Retention > 85	NF EN 12447	
Microbiological resistance test	% Strength Retention > 80	ENV ISO 12225	
Resistance to chemical degradation Method A	% Strength Retention > 90	ISO TR 12960	
Resistance to chemical degradation Method B	% Strength Retention > 90	ISO TR 12960	
Resistance to weathering test	% Strength Retention > 85	EN 12224	

7. Durability

- a. Product shall be covered within 1 month following installation (EN 12224 test results under certification).
- b. Expected Durability of the product is minnum 25 years in Soil and in submerged conditions with temperature < 25°C.

8. The Performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with regulation(EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Date- 1.09.2020

*Rk modsl*

For Garware Technical Fibres Ltd.

Sr. Manager-Quality Assurance



**Registered Office**

**Garware Technical Fibres Ltd.** (Formerly Garware-Wall Ropes Ltd.): Plot No. 11, Block D-1, M.I.D.C., Chinchwad, Pune 411 019, India.

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