

Fiche produits / Product description

TISA-FLEX® FRP

MECHANICAL PROTECTION

-50°C +150°C

FEATURES AND ASSETS:

- **Expandable sleeve conform to UL94 VO**
- **Excellent abrasion resistance**
- **Excellent cutting resistance**
- **Flame retardant, low smoke harm degree, halogen-free**
- **Lightweight**
- **Insensitive to condensation and fungus**

TYPICAL APPLICATIONS:

- **Protection of bundles of cables**
- **Places open to the public**
(according to the directives in force)
- **Public transport**
- **Aircraft industry**
- **Telecommunications industry**
- **Protection of underground cables**

SPECIFICATIONS :

TISA-FLEX® FRP is a braided flexible and expandable sleeve made up of flame-retardant polyester monofilaments.

With its raw material flame retardant and conform to UL94 VO, halogen-free, this sleeve is mainly used in the railway industry.

This sleeve is particularly designed for abrasion protection of bundles of electrical cables.

TISA-FLEX® FRP is therefore particularly recommended in applications such as public transport, aircraft industry, telecommunications, underground cables, etc.

Its expandability (ratio 3:1) makes it easy to install while taking up significant differences in cross sections, elbows, connections, etc., without bends or flattening.

Hot cutting to length means there is no fraying of the ends.

The wide range of sizes of **TISA-FLEX® FRP** means it can cover all diameters thanks to its expandable capacity.

Supplied in coils or cut to length, **TISA-FLEX® FRP** is an efficient and esthetic solution to protect your electric cables wherever there the risk of fire and harm from smoke to be controlled.



TISA-FLEX® FRP

FEATURE	METHOD, STANDARD, REGULATION	VALUE
Chemical nature of monofilament		Polyethylene terephthalate CAS No: 25038-59-9
Melting point		250°C
Continuous working temperature		from -50°C to +150°C
Peak temperature		175°C
Flammability Toxicity and harm from smoke	<ul style="list-style-type: none"> - Renault D45 1333 and FMVSS 302 - NF EN ISO 4589 -2 - ISO 3795 - UL 94 - FAR 25-853 - NF F 16-101 - NF X 70-100 	<ul style="list-style-type: none"> - Complies Classification B, auto-extinguishing - Oxygen index: \geq 32% - Complies - Conform VO - Complies - Classification I2 F1 - ITC = 24.3
RoHS	Directive 2002/95/CE	Complies
Environnement	European regulations	Complies

REFERENCES	USE*		REELS (in m.)	BOX QUANTITY** (in m.)
	MIN (mm.)	MAX (mm.)		
FRP012	2,4	6,4	300	1800
FRP025	3,2	9,5	300	1800
FRP038	4,7	15,9	150	900
FRP050	6,4	19,1	150	900
FRP075	12,7	31,8	75	450
FRP0125	19,1	44,5	75	450
FRP0175	31,8	69,8	60	360
FRP0200	38,1	76,2	30	180

* Recommended range of use.

** Coils: Sleeving packed in coil, attached with ties, covered with plastic film.
Rolls: Sleeving packed in rolls.

These references are those of our standard **TISA-FLEX®** FRP range. Please contact us for any other construction, parameter, material, packaging, colour, etc.



The information and illustrations given herein are believed to be reliable. Tresse-Industrie makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Tresse-Industrie's only obligations are those in the standard terms of sale for this product and Tresse-Industrie will not be liable for any consequential or other damages arising out of the use or misuse of this product. Users should make their own evaluation to determine the suitability of the product for specific applications.