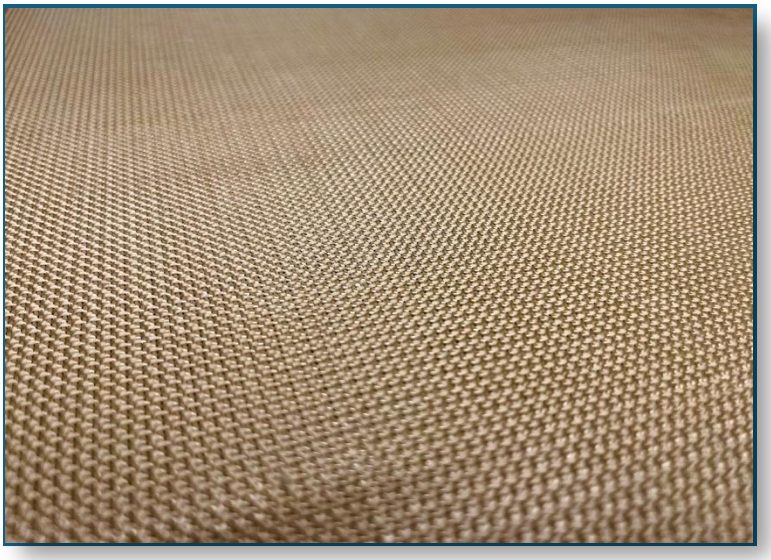
DATASHEET

GASHA is a technical **multilayer fabric** based on a **patented 3D weaving pattern** that optimizes impact and shock absorption in both **flat and deformed configurations**. Thanks to its **warp-interlock 3D weaving architecture** and **high areal density**, GASHA offers outstanding dimensional stability, allowing it to retain its imposed shape once formed.

Key Features :

- Can be used in **flat**, **deformed**, or **draped** configurations,
- Suitable for **dry use**, or can be **impregnated** or **resin-coated**,
- Excellent performance for: **soft armour** systems, **hard armour** (backing layers), **composite reinforcement** for impact resistance



E-DATASHEET

COMMERCIAL CONTACT

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DATASHEET

COMPOSITION AND MANUFACTURE

Fibers	100% TWARON® para-aramid fibers
Weaving	3D warp interlock patented
Manufacturing location	France
Standard width	217 cm
Roll length	50 linear meters
Colour	Yellow

TECHNICAL DATA

Weight (one layer)	NF 12127	970 g/m²
Thickness (one layer)	ISO 5084	1,48 mm (± 0,06)

GENERAL NORMS

Tear strength - Elmendorf	NF EN ISO 13937-1	> 500 N
Puncture resistance	NF EN 863	250 N
Abrasion resistance	NF EN ISO 12947-2	30 000 frictions
Resistance to longitudinal elongation	NF EN ISO 13934-1	5,0 % - Maximum force : 12 900 N
Resistance to transverse elongation	NF EN ISO 13934-1	6,8 % - Maximum force : 39 700 N
Flexibility test	NF EN 1735	71 mm
Mecanic test	EN 388	4 – 5 – 4 - 4

BALISTIC NORMS

Level	NIJ IIIA	0101.06
Maximum perfored layers	**9mm FMJ 8,0g** *(>440 m/s)*	Flat position : 5
		Deformed (female breast) : 6
	44 MAG 15,6g *(>430 m/s)*	Flat position : 3
		Deformed (female breast) : 2