

TECHNICAL DATASHEET composite material

Product characteristics:

The product is a lightweight composite anti-ballistic sheet, designed to provide protection from bullets and shrapnel's.

Material fulfils:

VPAM PM2007 Level 6

Available Sizes:

Standard size: 2.000 mm x 1.150 mm x 35 mm

Max. size: on request

Field of applications:

- Security Doors and Windows
- Government and Municipalities
- Armored Vehicles
- Financial Institutions
- Armored Containers
- Shooting Ranges
- Guard Shacks
- Bullet-proof Walls
- Schools and Universities
- Field Hospitals
- Mobile Command Units
- Marine Applications

Mechanical properties

	Value	Unit	Test method
Density	2,0	g/cm ³	ISO 1183
Flexural strength \perp	600	MPa	ISO 178
Modulus of elasticity in flexion \perp	30000	MPa	ISO 178
Compressive strength \perp	600	MPa	ISO 604
Tensile strength II	500	MPa	ISO 527
Impact strength \perp	300	kJ/m ²	ISO 179

Thermal properties

	Value	Unit	Test method
Flammability	V0 /3 mm	/	UL 94
Insulation class	H	/	IEC 60085

\perp = perpendicular to the lamination

II = parallel to the lamination

The data mentioned in this datasheet are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.