

PRODUCT OVERVIEW

Wood / Glass Fiber Composite Performance

Wood fiber and short glass fiber reinforced polypropylene sheets for automotive interiors. Extruded as solid sheets and thermoformed into finished components.

Two material families

WPC

Wood fiber reinforced
polypropylene
S Type / D Type

PP-GF 30%

Short glass fiber reinforced
polypropylene
D Type

FIBROPAN

From fibers to composite sheets



SHEET THICKNESS	MAXIMUM WIDTH	MATRIX	OPTIONAL FINISH
0.5-5 mm	2,100 mm	PP	NW / Carpet

Automotive Interior Components



Door panels

Passenger car and truck door trim

Luggage compartments

Linings and interior trim panels

Roof & seat trim

Thermoformed interior components

Parcel shelves & instrument panels

Additional formed interior parts

TECHNICAL DATA

Material Grades & Properties

Spec ING 9.55359_02 | Values reproduced from the supplied Fibropan catalog.

Property / unit	WPC S Type	WPC D Type	PP-GF 30% D Type
Specific weight (g/cm ³)	1.11	1.11	1.30-1.35
Tensile strength (MPa)	L >22.8 T >17.1	L >22.8 T >17.1	L >60 T >40
Tensile modulus (MPa)	L >3520 T >2710	L >3520 T >2710	L >3520 T >2710
Modulus of elasticity (N/mm ²)	L >3600 T >2800	L >3300 T >2300	L >8470 T >3500
Breaking load (MPa)	L >42.21 T >31.69	L >38.5 T >28.1	-
Charpy impact strength (J/cm ²)	-	-	L >2.5 T >2
Flexural strength (MPa)	-	-	L >100 T >50
Shrinkage (%)	L 0.5 T 0.9	L 0.5 T 0.9	-

L: longitudinal · T: transverse · -: value not reported in the source catalog.

Mechanical properties and shrinkage: Spec ING 9.55359_02.

Common Test Results

Burning test	ISO 3795-1989	Class B
Heavy metal test	Standard ELV testing	Cd / Cr(VI) / Pb / Hg: ND

Results above apply to all three grades. ND: not detected. The source lists 0.01% (100 ppm) alongside the heavy metal results. Test classifications are reproduced as supplied.

Processing & material advantages

Easy molding · Strength and stiffness · Thermal and sound insulation
Recyclable and reusable thermoplastic materials

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