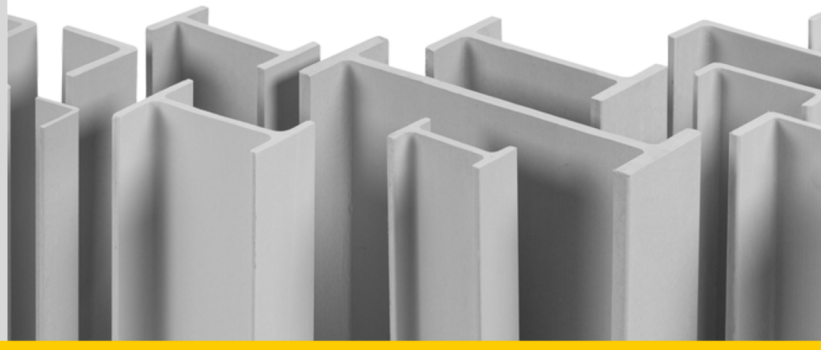
FIBER PROFIL
structural pultrusion

TECHNICAL DATA SHEET

PULTRUDED PROFILES GFRP



MECHANICAL PROPERTIES

PROPERTY	STANDARD	UNIT	VALUE
Fiber Content by Weight	ISO 1172	%	60% ±5
Density	ISO 1183	kg/m3	1,75-2,1
Modulus Full Section	annex D EN 13706-3	GPa	>23
Tensile Modulus-Long	EN ISO 527-4	GPa	>23
Tensile Modulus-Trans	EN ISO 527-4	GPa	5-7
Tensile Strength-Long	EN ISO 527-4	MPa	>240
Tensile Strength-Trans	EN ISO 527-4	MPa	>50
Flexural Strength-Long	EN ISO 14125	MPa	>240
Flexural Strength-Trans	EN ISO 14125	MPa	70-100
Interlaminar Shear Strength	EN ISO 14130	MPa	>25

THERMAL PROPERTIES

PROPERTY	STANDARD	UNIT	VALUE
Thermal conductivity	ISO 22007-2	W/mK	0.3
Coefficient of thermal expansion	ISO 11359-2	10-6/ °C	11
Service temperature		°C	-40-80

Note: The properties indicated are generic. Different properties can be obtained depending on the fiber layout and the resin system used. Tests are in accordance with the Pultrusion standard UNE EN 13706.

MORE INFORMATION www.fiberprofil.com