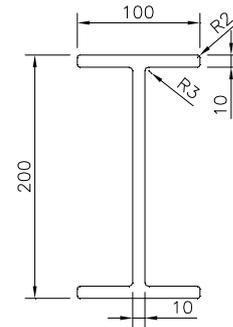




PULTRUDED PROFILES

Profile type "I" IPE (53I20010010I)

Height	mm 200
Width	mm 100
Thickness 1	mm 10
Thickness 2	mm 10
Standard Color	Yellow RAL 1016
Standard Length	mm 6000 (± mm 10)



$J_x (mm^4)$	$J_y (mm^4)$	Area (mm ²)	$\sigma_{amm} (kg/cm^2)$	$T_{amm} (kg/cm^2)$	Weight (kg/m)
22.926.198	1.665.053	3.800,85	480	100	6,50

Fibreglass content (%)	60	ASTM D 792 / UNI 7092	Elongation to break (%)	1.5	ASTM D638 / UNI 5819
Water absorption (%)	0.4	ISO 1172	Flexural strength (MPa)	450	ASTM D790 / UNI 7219
Barcol hardness	50	ASTM 2583	Flexural modulus (MPa)	20000	ASTM D790 / UNI 7219
Impact strength (Charpy) (kJ/m²)	230	ASTM D 256 / UNI 6062	Full- Bending flexural modulus (MPa)	28000	-
Tensile strength (MPa)	450	ASTM D638 / UNI 5819	Compression strength (MPa)	300	ASTM D695 / UNI 4279
Tensile modulus (MPa)	32000	ASTM D638 / UNI 5819	Compression modulus (MPa)	23000	ASTM D695 / UNI 4279

Tolerances on the above values ± 10 % - UV protection on the surface – dimension tolerances according to ASTM D3917 norm – Surface according to ASTM D 2563 norm level II

The information specified in the above table is to be considered as an average value referred to tests carried out accordingly to the glass fiber direction and are meant as reference values for standard material. Even if they are not to be considered as guaranteed characteristics they are based on our experience and are supplied in good faith

Raw materials	Isophthalic polyester resin
	Roving glass fiber type "E" – Continuous strand mat – Polyester surface veil
For other colors, resins or reinforcements contact M.M. S.r.l. directly	

Ageing resistance	Ageing test made with UV lamp according to ASTM G154-06 and passed with 5 points on the gray range and without evident defects (test made with 1500 hours of exposure to 4 hours alternate cycles at a UV temperature of 60°C and 4 hours at a condensed temperature of 50°C irradiated by UVB 313 nm lamp, radiance 0,71 W/m ²)
	After the exposure to heat, cold and humidity cycles according to UNI EN ISO 9142/04 norm (n° 21 cycles type D3) there are no evidence of defects



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53I20010010I

07.04.2008

Rev. 1

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WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
ISO 9001:2000