

TYPE OF PULTRUDED				
PLATES	50,0 X	6,5 [mm]	150 [Gpa]	Smooth

FRP CVT Class
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PULTRUDED SIZE					MIX FIBERS			TYPICAL PROPERTIES PULTRUDED																	
								UNI EN 13706-1-2-3 ISO527													ISO 11357-2 DSC				
Width		Thickness		Nominal area pultruded	Area employed by fiber			Elastic modulus	Elastic modulus x Section	Tensile strength	Tensile strength on section	Fiber component (Volume)			Fiber Density	Matrix Density	Pultruded Density	Strain at the tensile strength	Glass trans. temperature	Operating temperature	Fire behavior	Color	Resin type		
L		S		A	1° Fibre	2° Fibre	3° Fibre	E	E A	σ	σ A	Vf			pf	pm	pP	ε	T	T	To be protected with coatings	Black	Epoxy		
mm		mm		mmq	mmq			[Gpa]	[kN]	[Mpa]	[kN]	mmq	%	Toll.	g/cmc	g/cmc	g/cmc	%	°C	°C					
50	+/- 3%	6,5	+/- 3%	325,00	220,7	0,0	0,0	150	48.750	> of 2.135	694	221	68%	>=	~ 1,8	~ 1,2	~ 1,6	~ 1,3	140	-30	Da proteggere con rivestimenti	Nero	Eposs.		
																				+100					

* The characteristics indicated in the table are calculated values on the base of the carbon fiber performance supplied by the manufacturers

TYPICAL PROPERTIES OF FIBERS					
Number of fiber	Tensile modulus	Tensile strength	Density	Elongation	Fiber identification
x 1000	[Gpa]	[Mpa]	[g/cmc]	%	n°
24	234	4.830	1,80	2,0%	1° Fibre
0	-	-	-	-	2° Fibre
0	-	-	-	-	3° Fibre



Danger	The pultruded material is an electrical conductor
	If the package is rolled up, pay attention to the unrolling because the material is under tension
	In the case of machining (cutting, abrasion, drilling, milling) it is recommended to use protective masks, glasses and gloves

Storage	Store the boxes in a dry place and keep the product away from the sun
Warning	If the surfaces are provided with peel ply, it is recommended to remove it before using the pultruded
Notes	