



## Fiberline datasheet

### P4519/P4529

Pultruded glassfiber reinforced polyester profile for window and facade designs

## Mechanical properties

Glass weight	60% ± 5		
Density	1,75 ± 0,05 g/cm <sup>3</sup>		
Base colour	Transparent		
Property	Standard	Unit	P4519/P4529
Tensile strength			
0°	ISO 527	Mpa	> 370
90°	ISO 527	Mpa	> 61
Tensile stiffness			
0°	ISO 527	Mpa	> 24000
90°	ISO 527	Mpa	> 8000
Poisson ratio			
v12/v13	ISO 527	mm/mm	0,27
v21	ISO 527	mm/mm	0,08
Screw outpull	DS/EN 320	Data will follow	
Water absorbtion			
24h	EN/ISO 62	%	< 0,2
saturated	En/ISO 63	%	0,66

All measurements are related to a standard 3,0 mm strip profile.

## Thermal properties

Property	Standard	Unit	P4519/P4529
Thermal conductivity			
90°	DIN EN 821	W/mK	0,3
0°	DIN EN 821	W/mK	0,36
Coefficient of thermal expansion			
0°	ASTM C 177	10 <sup>-6</sup> K <sup>-1</sup>	8-14
90°	ASTM C 177	10 <sup>-6</sup> K <sup>-1</sup>	16-22
Service temperature		Celsius	- 40 to + 80

All measurements conducted according to DIN EN 821 have been done by Nanoflash method. Calibration according to EN 12 667 on P2600 specimen.