

Product information for aircraft interior industry

## TECAPEEK GF30 natural



Material	TECAPEEK GF30 natural		
Fillers	glass fiber		
Chemical designation	PEEK		
Density	DIN EN ISO 1183	[g/cm <sup>3</sup> ]	1.53
<b>Mechanical properties</b>			
Compressive Modulus	DIN EN ISO 604	[MPa]	4,800
Compressive Strength at 2%	DIN EN ISO 604	[MPa]	52
Compressive Strength at 1%	DIN EN ISO 604	[MPa]	29
Tensile strength at yield	DIN EN ISO 527-2	[MPa]	105
Tensile Elongation at break	DIN EN ISO 527-2	[%]	3
Tensile Modulus	DIN EN ISO 527-2	[MPa]	6,400
Flexural Strength	DIN EN ISO 178	[MPa]	164
Flexural Modulus	DIN EN ISO 178	[MPa]	6,600
Charpy Impact	DIN EN ISO 179-1EU	[kJ/m <sup>2</sup> ]	33
<b>Burn test results</b>			
Flammability	Pass/Fail [thickness]		
60-s-vertical Bunsen burner test :			Pass
FAR 25.853 : 25.853(a) App F Part 1 (a)(1)(i)			(1 mm)
ABD031 : AITM 2.0002A			

### Main features

- Good heat deflection temperature
- High creep resistance
- Good slide and wear properties
- Hydrolysis and super-heated steam resistant
- Good wear properties
- Inherent flame retardant
- Very good chemical resistance

Information about exemption from liability and terms and conditions of supply can be found in our material datasheets and in our Stock Shapes catalogue or at [www.ensinger-online.com](http://www.ensinger-online.com).

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