

Product information for aircraft interior industry

TECAPEI GF30 natural



Material	TECAPEI GF30 natural		
Fillers	glass fiber		
Chemical designation			PEI
Density	DIN EN ISO 1183	[g/cm ³]	1.51
Mechanical properties			
Compressive Modulus	DIN EN ISO 604	[MPa]	4,200
Compressive Strength at 2%	DIN EN ISO 604	[MPa]	39
Compressive Strength at 1%	DIN EN ISO 604	[MPa]	18
Tensile strength at yield	DIN EN ISO 527-2	[MPa]	135
Tensile Elongation at break	DIN EN ISO 527-2	[%]	4
Tensile Modulus	DIN EN ISO 527-2	[MPa]	5,300
Flexural Strength	DIN EN ISO 178	[MPa]	195
Flexural Modulus	DIN EN ISO 178	[MPa]	5,500
Charpy Impact	DIN EN ISO 179-1EU	[kJ/m ²]	51
Burn test results			
Flammability	Pass/Fail [thickness]		
60-s-vertical Bunsen burner test : FAR 25.853 : 25.853(a) App F Part 1 (a)(1)(i) ABD031 : AITM 2.0002A			Pass (6 mm)

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.

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