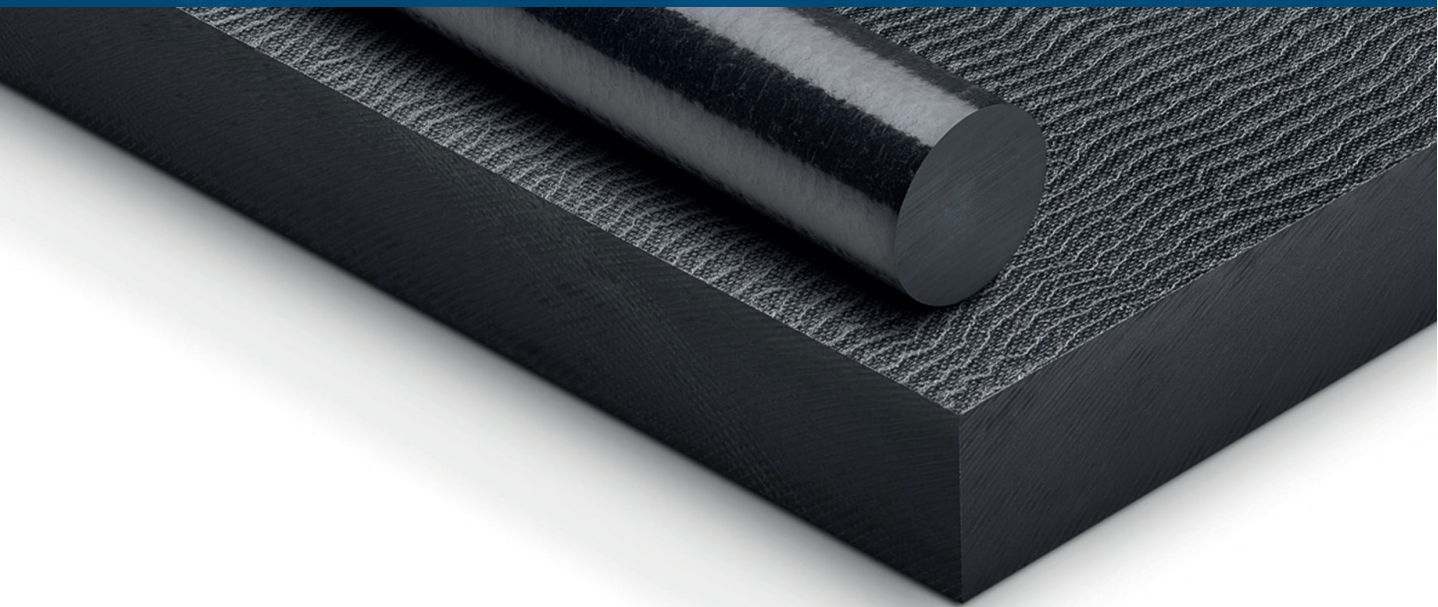


Product information for aircraft interior industry

TECAPEEK CF30 black



Material	TECAPEEK CF30 black		
Fillers	carbon fiber		
Chemical designation	PEEK		
Density	DIN EN ISO 1183	[g/cm ³]	1.38
Mechanical properties			
Compressive Modulus	DIN EN ISO 604	[MPa]	5,000
Compressive Strength at 2%	DIN EN ISO 604	[MPa]	47
Compressive Strength at 1%	DIN EN ISO 604	[MPa]	25
Tensile strength at yield	DIN EN ISO 527-2	[MPa]	122
Tensile Elongation at break	DIN EN ISO 527-2	[%]	7
Tensile Modulus	DIN EN ISO 527-2	[MPa]	6,800
Flexural Strength	DIN EN ISO 178	[MPa]	193
Flexural Modulus	DIN EN ISO 178	[MPa]	6,800
Charpy Impact	DIN EN ISO 179-1EU	[kJ/m ²]	62
Burn test results			
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.

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