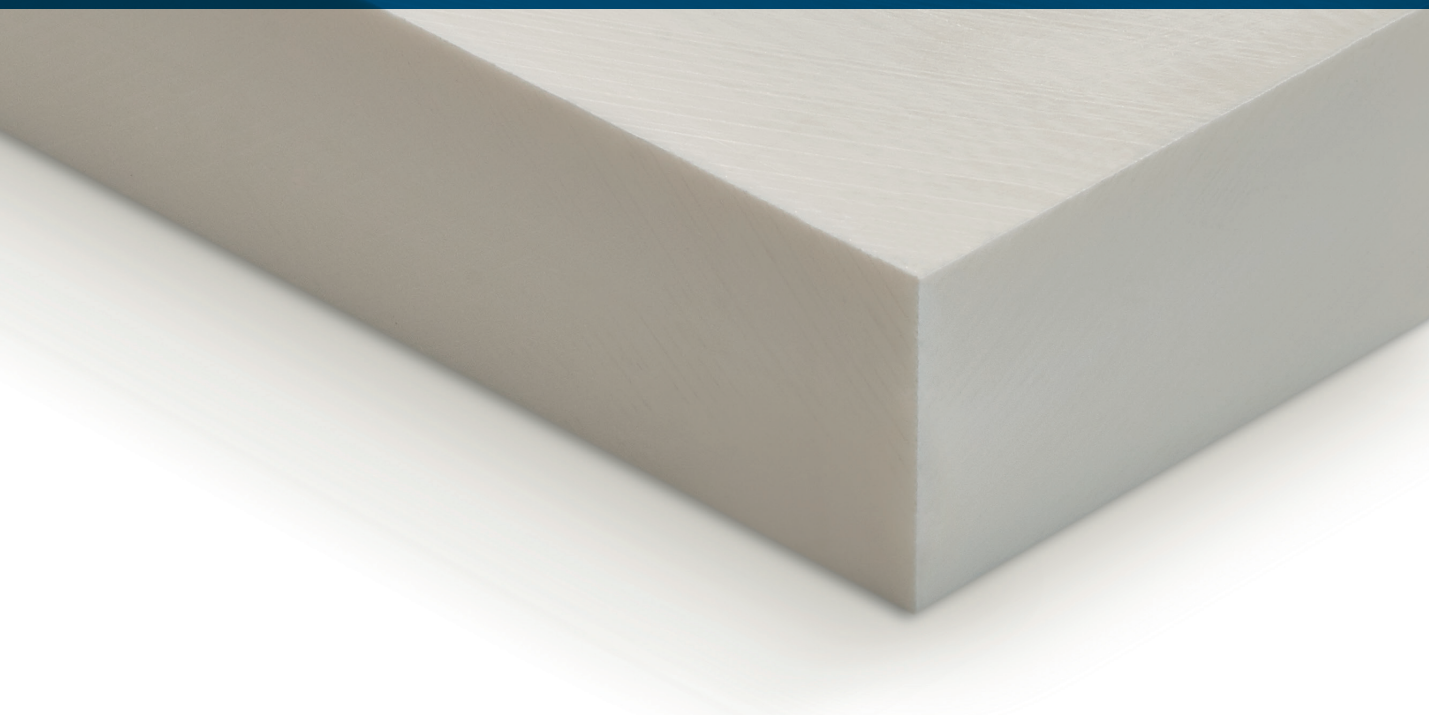


Product information for aircraft interior industry

TECAMID 6 FRT natural



Material	TECAMID 6 FRT natural		
Fillers	flame retardant (halogen free)		
Chemical designation			PA 6
Density	DIN EN ISO 1183	[g/cm ³]	1.19
Mechanical properties			
Compressive Modulus	DIN EN ISO 604	[MPa]	3,300
Compressive Strength at 2%	DIN EN ISO 604	[MPa]	34
Compressive Strength at 1%	DIN EN ISO 604	[MPa]	15
Tensile strength at yield	DIN EN ISO 527-2	[MPa]	79
Tensile Elongation at break	DIN EN ISO 527-2	[%]	3
Tensile Modulus	DIN EN ISO 527-2	[MPa]	3,900
Flexural Strength	DIN EN ISO 178	[MPa]	121
Flexural Modulus	DIN EN ISO 178	[MPa]	3,900
Charpy Impact	DIN EN ISO 179-1EU	[kJ/m ²]	53
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)			(3 mm)
ABD031 : AITM 2.0002A			
Smoke density			Pass
ABD031 : AITM 2.0007B			
Toxicity			Pass
ABD031 : AITM 3.0005			
Flammability + heat release			Pass
ABD031 : AITM 2.0003 + AITM 2.0006			

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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