

VESTAKEEP® – PEEK

Peak Performance for Thermoplastic Composites

- Evonik Industries now manufactures VESTAKEEP® PEEK Powders and is quickly becoming a key supply chain partner to global organizations utilizing composite tapes, prepregs, laminates and fabrics.
- Composite materials with VESTAKEEP® PEEK provide remarkable mechanical properties, excellent consolidation and high chemical resistance.

Our powder grades

VESTAKEEP®	Polyether ether ketone
2000 P	Unreinforced, medium viscosity
2000 FP	
2000 UFP	

P Powder 500 um
 FP Fine powder 55 um
 UFP Ultra fine powder 20 um

Specialty grades and particle sizes available

- We have been producing high performance plastics for over 40 years with a high competency in Powder Technology. Contact us for further information regarding VESTAKEEP® activities in the aerospace, medical, electronics and industrial markets.



Properties for laminates out of unidirectional tapes made from VESTAKEEP® 2000 and TENAX HTS

Property	Test method	Unit	Value
Density	ISO 1133	g/cm ³	1.61
Matrix content		%	34+/-2
Volatile content		%	<1
Crystallinity		%	35+/-3
Tensile test			
Tensile strength	EN2561	MPa	2480
Tensile modulus	EN2561	GPa	145
Compression strength	EN2850	MPa	1370
Compression modulus	EN2850	GPa	127
Heat release			
Heat release	FAR25.853(c)		fulfilled
Toxicity	AITM3.0005		fulfilled
Smoke emission	FAR25.853(c)/AITM2.0007		fulfilled
Flammability (60s/12s)	FAR25.853(a)		fulfilled
Flammability acc. UL94 0.5 mm	IEC 60695		V-0

® = registered trademark

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