

VESTAPE PEEK-CF45 24241

High chemical resistance, low water absorption, damage resistant



Tape properties	Unit	Value	Standard
Polymer	–	PEEK	–
Fiber	–	HT carbon fiber	–
Fiber volume fraction	% by vol.	45	EN 2559
Fiber weight fraction	% by weight	53	EN 2559
Tape areal weight	g/cm ²	381	
Tape density	g/cm ³	1.51	ISO 1183
Tape thickness	mm	0.25	–
Tape width	mm	150	–
Laminate properties @23°C*			
Tensile modulus (0°)	GPa	106	ISO 527
Tensile strength (0°)	MPa	1850	ISO 527
Processing properties			
Melt temperature	°C	app. 345	ISO 11357
Glass transition temperature	°C	app. 145	ISO 11357
Typical processing temperature	°C	370–410	

*measured on 8 layer plies. Note: Laminate values might differ.

Laminate processing via Hot Transfer Pressing optimized for shortest cycle time.

The results shown have been generated from a low number of production lots. Therefore, they are preliminary and not yet the result of a statistical evaluation. Therefore they must not be used to establish specifications.

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