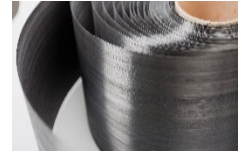


# VESTAPE PEEK-CF45 24241

High chemical resistance, low water absorption, damage resistant



Tape properties	Unit	Value	Standard
<b>Polymer</b>	-	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/m <sup>2</sup>	381	
Tape density	g/cm <sup>3</sup>	1.51	ISO 1183
Tape thickness	mm	0.25	-
Tape width	mm	160	-
<b>Laminate properties*</b>			
Tensile modulus (0°)	GPa	100	ISO 527
Tensile strength (0°)	MPa	1750	ISO 527
<b>Processing properties</b>			
Melt temperature	°C	app. 345	ISO 11357
Glass transition temperature	°C	app. 145	ISO 11357
Typical processing temperature	°C	370-410	

\* (1) measured on 8 layer plies. Note: Laminate values might differ.

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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**Evonik Resource Efficiency GmbH**  
High Performance Polymers  
45674 Marl/Germany

Phone +49 2365 49-9878  
evonik-hp@evonik.com  
[www.evonik.com/composites](http://www.evonik.com/composites)