

EcoPaXX® PA410-HC10 UD

PA410-CF50

Continuous Carbon Fiber Reinforced, Uni-Directional Tape, Heat Stabilized, Black

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*** Properties measured on product based on 24K fibers ***

Properties	Typical Data	Unit	Test Method
Physical tape properties			
	Value		
Areal weight - Tape	340	g/m ²	ISO 1172
Thickness - Tape	0.25	mm	
General physical properties			
	dry / cond		
Density	1360 / -	kg/m ³	ISO 1183
Fiber content (V/V)	38	%	ISO 11667
Mechanical tape properties			
	dry / cond		
Tensile modulus - 0° - Tape	105 / -	GPa	DSM Method
Stress at break - 0° - Tape	1450 / -	MPa	DSM Method
Strain at break - 0° - Tape	> 1.4	%	DSM Method
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	248 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	70 / *	°C	ISO 11357-1/-2
Other properties			
	dry / cond		
Humidity absorption	0.9 / *	%	Sim. to ISO 62