

UDea™ ForTii® Ace X20C50

PPA-CF50

50% Continuous Carbon Fiber Reinforced, Uni-Directional Tape, Black

Properties	Typical Data	Unit	Test Method
General physical properties	dry / cond		
Density	1370 / -	kg/m ³	ISO 1183
Fiber content (V/V)	40	%	ISO 11667
Physical tape properties	Value		
Areal weight - Tape	340	g/m ²	ISO 1172
Thickness - Tape	0.25	mm	
Mechanical tape properties	dry / cond		
Tensile modulus - 0° - Tape	* / 102	GPa	ISO 527-4/-5
Stress at break - 0° - Tape	* / 1040	MPa	ISO 527-4/-5
Strain at break - 0° - Tape	1.15 /	%	ISO 527-4/-5
Thermal properties	dry / cond		
Melting temperature (10°C/min)	320 / *	°C	ISO 11357-1/-3
Other properties	dry / cond		
Humidity absorption	1.4 / *	%	Sim. to ISO 62

