

UDea™ Akulon® S20HC60 PA66-CF60

60% Continuous Carbon Fiber Reinforced, Uni-Directional Tape, Heat Stabilized, Black

Properties	Typical Data	Unit	Test Method
General physical properties	dry / cond		
Density	1460 / -	kg/m ³	ISO 1183
Fiber content (V/V)	49	%	ISO 11667
Physical tape properties	Value		
Areal weight - Tape	292	g/m ²	ISO 1172
Thickness - Tape	0.20	mm	
Mechanical tape properties	dry / cond		
Tensile modulus - 0° - Tape	135 / -	GPa	ISO 527-4/-5
Stress at break - 0° - Tape	1700 / -	MPa	ISO 527-4/-5
Strain at break - 0° - Tape	1.4 /	%	ISO 527-4/-5
Thermal properties	dry / cond		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	80 / *	°C	ISO 11357-1/-2
Other properties	dry / cond		
Humidity absorption	0.9 / *	%	Sim. to ISO 62

