

# Akulon® PA6-HC10 UD

## PA6-CF50

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

Print Date: 2019-10-24

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

Properties	Typical Data	Unit	Test Method
<b>Physical tape properties</b>			
Areal weight - Tape	382	g/m <sup>2</sup>	ISO 1172
Thickness - Tape	0.25	mm	
<b>General physical properties</b>			
Density	1390 / -	kg/m <sup>3</sup>	ISO 1183
Fiber content (V/V)	38.5	%	ISO 11667
<b>Mechanical tape properties</b>			
Tensile modulus - 0° - Tape	110 / -	GPa	DSM Method
Stress at break - 0° - Tape	1100 / -	MPa	DSM Method
Strain at break - 0° - Tape	1.2	%	DSM Method
<b>Thermal properties</b>			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	60 / *	°C	ISO 11357-1/-2
<b>Other properties</b>			
Humidity absorption	1 / *	%	Sim. to ISO 62