

UDea™ Akulon® K20HC60

PA6—CF60

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

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
GENERAL PHYSICAL PROPERTIES			
	DRY / COND		
Density	1450 / —	kg/m³	ISO 1183
Fiber content (V/V)	49	%	ISO 11667
PHYSICAL TAPE PROPERTIES			
	VALUE		
Areal weight – Tape	290	g/m²	ISO 1172
Thickness – Tape	0.2	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)	220 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	60 / *	°C	ISO 11357-1/-2
OTHER PROPERTIES			
	DRY / COND		
Humidity absorption	1 / *	%	Sim. to ISO 62