

UDea™ Akulon® K20HC60

PA6–CF60

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

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
GENERAL PHYSICAL PROPERTIES			
	DRY / COND		
Density	1450 / –	kg/m ³	ISO 1183
Fiber content (V/V)	49	%	ISO 11667
PHYSICAL TAPE PROPERTIES			
	VALUE		
Areal weight – Tape	290	g/m ²	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

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