

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
LAYUP	VALUE		
Fiber volume content	49	vol.-%	nominal
Thickness per layer	0.2	mm	nominal
Areal weight – Tape	290	g/m²	ISO 1172
MECHANICAL PROPERTIES	DRY / COND		
Tensile Modulus (0°)	135 / –	GPa	ISO 527—4/5
Tensile Strength (0°)	1700 / –	MPa	ISO 527—4/5
Elongation at Break (0°)	1.4 / –	%	ISO 527—4/5
THERMAL PROPERTIES	DRY / COND		
Density	1450 / –	kg/m³	ISO 1183
Glass transition temperature (10°C/min)	60 / *	°C	ISO 11357—1/—2
Melting temperature (10°C/min)	220 / *	°C	ISO 11357—1/—3
OTHER PROPERTIES	DRY / COND		
Humidity absorption	1 / *	%	Sim. to ISO 62

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