

UDea™ Akulon® K20HG60

PA6–GF60

60% Continuous Glass Fiber Reinforced, Uni–Directional Tape, Heat Stabilized, Black

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
GENERAL PHYSICAL PROPERTIES			
	<i>DRY / COND</i>		
Density	1700 / –	kg/m ³	ISO 1183
Fiber content (wt%)	60	%	ISO 11667
Fiber content (V/V)	39.5	%	ISO 11667
PHYSICAL TAPE PROPERTIES			
	<i>VALUE</i>		
Areal weight – Tape	426	g/m ²	ISO 1172
Thickness – Tape	0.25	mm	
MECHANICAL TAPE PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus – 0° – Tape	31.5 / 30	GPa	ISO 527–4/–5
Stress at break – 0° – Tape	800 / 650	MPa	ISO 527–4/–5
Strain at break – 0° – Tape	2.7 / 2.3	%	ISO 527–4/–5
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
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			
	<i>DRY / COND</i>		
Humidity absorption	1 / *	%	Sim. to ISO 62