

# UDea™ Akulon® K20HG60

## PA6–GF60

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

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b>LAYUP</b>	<b>VALUE</b>		
Fiber volume content	39.5	vol.–%	nominal
Fiber mass content	60	m–%	nominal
Thickness per layer	0.25	mm	nominal
Areal weight – Tape	426	g/m <sup>2</sup>	ISO 1172
<b>MECHANICAL PROPERTIES</b>	<b>DRY / COND</b>		
Tensile Modulus (0°)	31.5 / 30	GPa	ISO 527–4/5
Tensile Strength (0°)	800 / 650	MPa	ISO 527–4/5
Elongation at Break (0°)	2.7 / 2.3	%	ISO 527–4/5
<b>THERMAL PROPERTIES</b>	<b>DRY / COND</b>		
Density	1700 / –	kg/m <sup>3</sup>	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
<b>OTHER PROPERTIES</b>	<b>DRY / COND</b>		
Humidity absorption	1 / *	%	Sim. to ISO 62