

# UDea™ Akulon® K20HG60

## PA6–GF60

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

Print Date: 2024–09–17

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>GENERAL PHYSICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Density	1700 / –	kg/m <sup>3</sup>	ISO 1183
Fiber content (wt%)	60	%	ISO 11667
Fiber content (V/V)	39.5	%	ISO 11667
<b>PHYSICAL TAPE PROPERTIES</b>			
	<b>VALUE</b>		
Areal weight – Tape	426	g/m <sup>2</sup>	ISO 1172
Thickness – Tape	0.25	mm	
<b>MECHANICAL TAPE PROPERTIES</b>			
	<b>DRY / COND</b>		
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
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Glass transition temperature (10°C/min)	60 / *	°C	ISO 11357–1/–2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Humidity absorption	1 / *	%	Sim. to ISO 62

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