

# Akulon<sup>®</sup> Ultraflow K–FKG6U GY9996

## PA6–GF33

33% Glass Reinforced, Heat Stabilized, High Flow

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>MECHANICAL PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Tensile modulus	10500 / 6500	MPa	ISO 527–1/–2
Stress at break	170 / 120	MPa	ISO 527–1/–2
Strain at break	3 / 5	%	ISO 527–1/–2
Flexural modulus	9100 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	9.5 / –	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (+23°C)	9.5 / –	kJ/m <sup>2</sup>	ISO 180/1A
<b><i>THERMAL PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75–1/–2
<b><i>OTHER PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	1.65 / *	%	Sim. to ISO 62
Density	1390 / *	kg/m <sup>3</sup>	ISO 1183

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