

Akulon® Ultraflow K–FKG6U GY9996

PA6–GF33

33% Glass Reinforced, Heat Stabilized, High Flow

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
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/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	9.5 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
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
OTHER PROPERTIES			
	DRY / COND		
Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	1.65 / *	%	Sim. to ISO 62
Density	1390 / *	kg/m³	ISO 1183