

Akulon[®] K224–PG2

PA6–I–GF8

8% Glass Fiber Reinforced, Impact Modified

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES		DRY / COND	
Tensile modulus	3700 / 1900	MPa	ISO 527–1/–2
Stress at break	85 / 50	MPa	ISO 527–1/–2
Strain at break	5.5 / 15	%	ISO 527–1/–2
Charpy impact strength (+23°C)	65 / 80	kJ/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	45 / 45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 22	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	4 / 4	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES		DRY / COND	
Temp. of deflection under load (1.80 MPa)	125 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	200 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.8 / *	E–4/°C	ISO 11359–1/–2
OTHER PROPERTIES		DRY / COND	
Water absorption	7.6 / *	%	Sim. to ISO 62
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1150 / –	kg/m ³	ISO 1183

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