

# Akulon® K224-PG2

## PA6-I-GF8

8% Glass Reinforced, Impact Modified

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Properties	Typical Data	Unit	Test Method
<b>Mechanical properties</b>	<b>dry / cond</b>		
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 <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	45 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 22	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	4 / 4	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>	<b>dry / cond</b>		
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
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
<b>Other properties</b>	<b>dry / cond</b>		
Water absorption	7.6 / *	%	Sim. to ISO 62
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1150 / -	kg/m <sup>3</sup>	ISO 1183