

# Akulon® K224-G2/A

## PA6-GF10

10% Glass Reinforced, Injection Molding

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Properties	Typical Data	Unit	Test Method
<b>Rheological properties</b>			
	dry / cond		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	1.3 / *	%	ISO 294-4
<b>Mechanical properties</b>			
	dry / cond		
Stress at break	105 / -	MPa	ISO 527-1/-2
Strain at break	3.5 / -	%	ISO 527-1/-2
Flexural modulus	4000 / -	MPa	ISO 178
Flexural strength	165 / -	MPa	ISO 178
Charpy impact strength (+23°C)	5 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	189 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.4 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7 / *	E-4/°C	ISO 11359-1/-2
<b>Other properties</b>			
	dry / cond		
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1200 / -	kg/m <sup>3</sup>	ISO 1183