

Akulon[®] N24–G6

PA6–GF30

30% Glass Reinforced

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294–4
Molding shrinkage (normal)	0.9 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9500 / –	MPa	ISO 527–1/–2
Stress at break	170 / –	MPa	ISO 527–1/–2
Strain at break	3.2 / –	%	ISO 527–1/–2
Charpy impact strength (+23°C)	62 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	200 / *	°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	6.3 / *	%	Sim. to ISO 62
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1350 / –	kg/m³	ISO 1183