

Akulon[®] N24–LPG6

PA6–I–GF30

UV Stabilized, 30% Glass Reinforced, Impact Modified

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294–4
Molding shrinkage (normal)	1 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	8500 / 4900	MPa	ISO 527–1/–2
Stress at break	120 / 85	MPa	ISO 527–1/–2
Strain at break	3.5 / 10	%	ISO 527–1/–2
Flexural modulus	7200 / 4300	MPa	ISO 178
Flexural strength	180 / 135	MPa	ISO 178
Charpy impact strength (+23°C)	95 / 100	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 43	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	DRY / COND		
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75–1/–2
OTHER PROPERTIES	DRY / COND		
Water absorption	5.7 / *	%	Sim. to ISO 62
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1320 / –	kg/m³	ISO 1183