

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

