

# Akulon<sup>®</sup> N24-LPG6

## PA6-I-GF30

UV Stabilized, 30% Glass Reinforced, Impact Modified

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 43	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Water absorption	5.7 / *	%	Sim. to ISO 62
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1320 / -	kg/m <sup>3</sup>	ISO 1183

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