

Novamid[®] 3021GH30 BK629

PA66—GF30

30% Glass Fiber Reinforced, Heat Stabilized

Print Date: 2025-10-04

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage [parallel]	0.4 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.3 / *	%	Sim. to ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9700 / 6500	MPa	ISO 527-1/-2
Stress at break	170 / 130	MPa	ISO 527-1/-2
Strain at break	2.6 / 4	%	ISO 527-1/-2
Flexural modulus	8300 / 6500	MPa	ISO 178
Flexural strength	265 / 200	MPa	ISO 178
Charpy impact strength (+23°C)	84 / 110	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / 13	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	244 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	260 / *	°C	ISO 75-1/-2
ELECTRICAL PROPERTIES			
	DRY / COND		
Relative permittivity (1 MHz)	4 / —	—	IEC 62631-2-1
Dissipation factor (1 MHz)	190 / —	E-4	IEC 62631-2-1
Volume resistivity	>1E13 / —	Ohm*m	IEC 62631-3-1
Surface resistivity	— / 4E14	Ohm	IEC 62631-3-2
Electric strength	26 / —	kV/mm	IEC 60243-1

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Comparative tracking index	550 / –	V	IEC 60112
OTHER PROPERTIES	DRY / COND		
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1370 / –	kg/m³	ISO 1183

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