

Novamid® 3021GH30 NAT

PA66-GF30

30% Glass Reinforced, Heat Stabilized

Print Date: 2018-12-13

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	267 / 200	MPa	ISO 178
Charpy impact strength (+23°C)	110 / 80	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
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
Electrical properties	dry / cond		
Relative permittivity (1 MHz)	4 / -	-	IEC 60250
Dissipation factor (1 MHz)	190 / -	E-4	IEC 60250
Volume resistivity	>1E13 / -	Ohm*m	IEC 60093
Surface resistivity	* / 4E14	Ohm	IEC 60093

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Properties	Typical Data	Unit	Test Method
Electric strength	26 / -	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	V	IEC 60112
Other properties	dry / cond		
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1370 / -	kg/m ³	ISO 1183