

Novamid® 1010GN8-30 NAT

PA6-GF30 FR

30% Glass Reinforced, Flame Retardant, Halogen free

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.8 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	12000 / 8800	MPa	ISO 527-1/-2
Stress at break	140 / 110	MPa	ISO 527-1/-2
Strain at break	2.5 / 3	%	ISO 527-1/-2
Flexural modulus	10200 / 7500	MPa	ISO 178
Flexural strength	220 / 160	MPa	ISO 178
Charpy impact strength (+23°C)	63 / 67	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / 16	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
Electrical properties			
	dry / cond		
Relative permittivity (1 MHz)	3.2 / -	-	IEC 60250
Dissipation factor (1 MHz)	200 / -	E-4	IEC 60250
Volume resistivity	1E13 / -	Ohm*m	IEC 60093

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Properties	Typical Data	Unit	Test Method
Surface resistivity	* / 1E14	Ohm	IEC 60093
Electric strength	23 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	V	IEC 60112
Other properties	dry / cond		
Humidity absorption	1.3 / *	%	Sim. to ISO 62
Density	1430 / -	kg/m ³	ISO 1183