

Novamid® 1010GH30 NAT

PA6-GF30

30% Glass Reinforced, Heat Stabilized, Injection Molding

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)	1 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	9600 / 5700	MPa	ISO 527-1/-2
Stress at break	170 / 110	MPa	ISO 527-1/-2
Strain at break	3.3 / 5.6	%	ISO 527-1/-2
Flexural modulus	9200 / 5600	MPa	ISO 178
Flexural strength	260 / 165	MPa	ISO 178
Charpy impact strength (+23°C)	81 / 92	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 19	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)	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
Electrical properties dry / cond			
Surface resistivity	* / 2E14	Ohm	IEC 60093

Property Data

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183