

Novamid® 1010G30 NA

PA6-GF30

30% Glass Reinforced, Injection Molding, Easy Molding Grade, High Flow

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	9100 / -	MPa	ISO 527-1/-2
Stress at break	158 / -	MPa	ISO 527-1/-2
Strain at break	2.1 / -	%	ISO 527-1/-2
Flexural modulus	8600 / -	MPa	ISO 178
Flexural strength	245 / -	MPa	ISO 178
Charpy impact strength (+23°C)	38 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / -	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)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215 / *	°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
Other properties			
	dry / cond		
Humidity absorption	2 / *	%	Sim. to ISO 62

Property Data

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Density	1370 / -	kg/m ³	ISO 1183