

Novamid® 1013GMF H2 NAT/BK37

PA6-GF30

30% Glass Reinforced, Heat Stabilized, Injection Molding, Excellent Dimensional Stability

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	0.7 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.8 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	7200 / 4200	MPa	ISO 527-1/-2
Stress at break	135 / 75	MPa	ISO 527-1/-2
Strain at break	4 / 7	%	ISO 527-1/-2
Flexural modulus	6600 / 3300	MPa	ISO 178
Flexural strength	210 / 120	MPa	ISO 178
Charpy impact strength (+23°C)	58 / 75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / 13	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)	165 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75-1/-2
Other properties			
	dry / cond		
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183