

Novamid® 1013GH15 1 NA/BK37 PA6-GF15

15% Glass Reinforced, Heat Stabilized, Injection Molding

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	1.3 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	5800 / 3300	MPa	ISO 527-1/-2
Stress at break	130 / 75	MPa	ISO 527-1/-2
Strain at break	2.7 / 8.7	%	ISO 527-1/-2
Flexural modulus	5400 / 3000	MPa	ISO 178
Flexural strength	200 / 120	MPa	ISO 178
Charpy impact strength (+23°C)	39 / 105	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / 14	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)	194 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	216 / *	°C	ISO 75-1/-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			
Relative permittivity (100Hz)	4 / -	-	IEC 60250
Relative permittivity (1 MHz)	4 / -	-	IEC 60250
Dissipation factor (100 Hz)	130 / -	E-4	IEC 60250

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Dissipation factor (1 MHz)	230 / -	E-4	IEC 60250
Volume resistivity	6E12 / -	Ohm*m	IEC 60093
Surface resistivity	* / 8E13	Ohm	IEC 60093
Electric strength	27 / -	kV/mm	IEC 60243-1
Comparative tracking index	400 / -	V	IEC 60112
Other properties	dry / cond		
Humidity absorption	2.4 / *	%	Sim. to ISO 62
Density	1230 / -	kg/m ³	ISO 1183