

Novamid® 1015GH35 BK37

PA6-GF35

35% 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	11400 / 6700	MPa	ISO 527-1/-2
Stress at break	190 / 125	MPa	ISO 527-1/-2
Strain at break	2.6 / 5	%	ISO 527-1/-2
Flexural modulus	9800 / 6800	MPa	ISO 178
Flexural strength	295 / 200	MPa	ISO 178
Charpy impact strength (+23°C)	96 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14 / 24	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)	206 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°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)	110 / -	E-4	IEC 60250

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Dissipation factor (1 MHz)	190 / -	E-4	IEC 60250
Volume resistivity	7E12 / -	Ohm*m	IEC 60093
Surface resistivity	* / 3E13	Ohm	IEC 60093
Electric strength	23 / -	kV/mm	IEC 60243-1
Comparative tracking index	400 / -	V	IEC 60112
Other properties			
	dry / cond		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m ³	ISO 1183