

Novamid® 1017GH33 BK701

PA6-GF33

33% Glass Reinforced, Heat Stabilized, Injection Molding

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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	10200 / 6200	MPa	ISO 527-1/-2
Stress at break	175 / 120	MPa	ISO 527-1/-2
Strain at break	2.9 / 5	%	ISO 527-1/-2
Flexural modulus	9200 / 6000	MPa	ISO 178
Flexural strength	280 / 180	MPa	ISO 178
Charpy impact strength (+23°C)	83 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14 / 26	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)	204 / *	°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)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6 / *	E-4/°C	ISO 11359-1/-2
Other properties			
	dry / cond		
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1380 / -	kg/m ³	ISO 1183