

# Novamid<sup>®</sup> 1017GH33 BK701

## PA6–GF33

33% Glass Reinforced, Heat Stabilized, Injection Molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	1 / *	%	ISO 294–4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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 <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	14 / 26	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1380 / –	kg/m <sup>3</sup>	ISO 1183

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