

Novamid[®] 1010G30 NA

PA6–GF30

30% Glass Reinforced, Injection Molding, Easy Molding Grade, High Flow

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	1 / *	%	ISO 294–4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Tensile modulus	9100 / –	MPa	ISO 527–1/–2
Stress at break	158 / –	MPa	ISO 527–1/–2
Strain at break	2.1 / –	%	ISO 527–1/–2
Flexural modulus	8600 / –	MPa	ISO 178
Flexural strength	245 / –	MPa	ISO 178
Charpy impact strength (+23°C)	38 / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / –	kJ/m ²	ISO 179/1eA
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.7 / *	E–4/°C	ISO 11359–1/–2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1370 / –	kg/m ³	ISO 1183