

Novamid[®] 1010GH30 NAT

PA6–GF30

30% Glass Reinforced, Heat Stabilized, Injection Molding

<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	9600 / 5700	MPa	ISO 527–1/–2
Stress at break	170 / 110	MPa	ISO 527–1/–2
Strain at break	3.3 / 5.6	%	ISO 527–1/–2
Flexural modulus	9200 / 5600	MPa	ISO 178
Flexural strength	260 / 165	MPa	ISO 178
Charpy impact strength (+23°C)	81 / 92	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 19	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)	205 / *	°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)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.7 / *	E–4/°C	ISO 11359–1/–2
<i>ELECTRICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Surface resistivity	– / 2E14	Ohm	IEC 62631–3–2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		

Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1360 / –	kg/m ³	ISO 1183