

Novamid[®] 1020C

PA6

Extrusion, Injection Molding, Lubricated, Nucleated

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Tensile modulus	2900 / –	MPa	ISO 527-1/-2
Yield stress	80 / –	MPa	ISO 527-1/-2
Yield strain	4.2 / –	%	ISO 527-1/-2
Nominal strain at break	>50 / –	%	ISO 527-1/-2
Flexural modulus	2600 / –	MPa	ISO 178
Flexural strength	108 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	2.7 / –	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)	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	154 / *	°C	ISO 75-1/-2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / –	kg/m ³	ISO 1183

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Viscosity–shear rate

