

Novamid[®] 1010J

PA6

Low Viscosity, Injection Molding

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus	2700 / –	MPa	ISO 527-1/-2
Yield stress	78 / –	MPa	ISO 527-1/-2
Yield strain	4.3 / –	%	ISO 527-1/-2
Strain at break	45 / –	%	ISO 527-1/-2
Flexural modulus	2600 / –	MPa	ISO 178
Flexural strength	91 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	5 / N	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	61 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	162 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / –	kg/m ³	ISO 1183
MATERIAL SPECIFIC PROPERTIES			
	<i>DRY / COND</i>		
Viscosity number	118 / *	cm ³ /g	ISO 307, 1157, 1628

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Viscosity–shear rate

