

# Novamid<sup>®</sup> 1010J

## PA6

Low Viscosity, Injection Molding

Print Date: 2024-03-27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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 <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)	61 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	162 / *	°C	ISO 75-1/-2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / –	kg/m <sup>3</sup>	ISO 1183
<b>MATERIAL SPECIFIC PROPERTIES</b>			
	<b>DRY / COND</b>		
Viscosity number	118 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

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## Viscosity-shear rate

