

Novamid[®] 1040J

PA6

Extrusion Grade, Film Extrusion, Very High Viscosity, no additives

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus	3100 / –	MPa	ISO 527-1/-2
Yield stress	80 / –	MPa	ISO 527-1/-2
Yield strain	5 / –	%	ISO 527-1/-2
Flexural modulus	2900 / –	MPa	ISO 178
Flexural strength	110 / –	MPa	ISO 178
Charpy impact strength (+23°C)	N / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / –	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)	58 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	160 / *	°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	307 / *	cm ³ /g	ISO 307, 1157, 1628

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Viscosity–shear rate

