

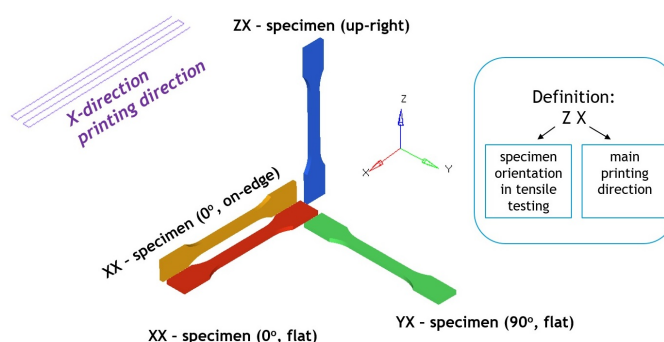
# Novamid® ID1070

## PA copolymer

3D printing grade

Print Date: 2021-02-13

The mechanical data is tested on printed tensile bars, printed in two directions: 0°-90° and 45°-45°



Properties	Typical Data	Unit	Test Method
<b>Mechanical properties (injection molded)</b>	<b>dry / cond</b>		
Tensile modulus	2590 / 710	MPa	ISO 527-1/-2
Yield stress	77 / 40	MPa	ISO 527-1/-2
Yield strain	4.2 / 25.6	%	ISO 527-1/-2
Stress at break	46.5 / 47.5	MPa	ISO 527-1/-2
Strain at break	>50 / >50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>	<b>dry / cond</b>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
<b>Thermal properties (injection molded)</b>	<b>dry / cond</b>		
Temp. of deflection under load (1.80 MPa)	54 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	104 / *	°C	ISO 75-1/-2

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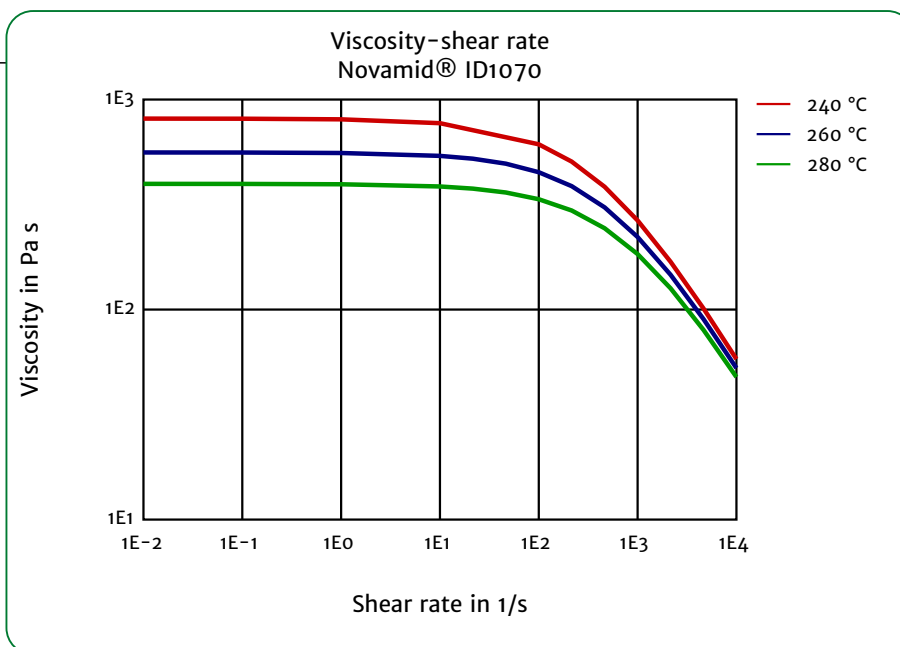
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# Novamid<sup>®</sup> ID1070

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Properties	Typical Data	Unit	Test Method
<b>Material specific properties</b>			
Viscosity number	181 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628
<b>Other properties</b>			
Water absorption	12 / *	%	Sim. to ISO 62
Humidity absorption	3.5 / *	%	Sim. to ISO 62
Density	1120 / -	kg/m <sup>3</sup>	ISO 1183

## Viscosity-shear rate



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