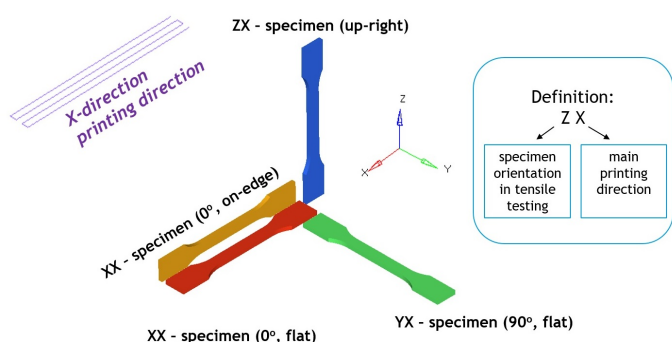


Novamid® ID1030-CF10

PA6/66

3D printing grade, 10% Carbon Reinforced

Print Date: 2021-02-13



Properties	Typical Data	Unit	Test Method
Mechanical properties (injection molded)	dry / cond		
Tensile modulus	7570 / -	MPa	ISO 527-1/-2
Yield stress	110 / -	MPa	ISO 527-1/-2
Yield strain	2.8 / -	%	ISO 527-1/-2
Stress at break	110 / -	MPa	ISO 527-1/-2
Strain at break	3 / -	%	ISO 527-1/-2
Mechanical Properties (3D printed)	dry / cond		
Tensile modulus (X-X direction, flat)	7630 / -	MPa	Sim. to ISO 527-1/-2
Tensile modulus (Y-X direction, flat)	2720 / -	MPa	Sim. to ISO 527-1/-2
Stress at yield (X-X direction, flat)	110 / -	MPa	Sim. to ISO 527-1/-2
Stress at yield (Y-X direction, flat)	63 / -	MPa	Sim. to ISO 527-1/-2
Strain at yield (X-X direction, flat)	2.5 / -	%	Sim. to ISO 527-1/-2
Strain at yield (Y-X direction, flat)	3 / -	%	Sim. to ISO 527-1/-2

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Property Data (Provisional)

Novamid[®] ID1030-CF10

Print Date: 2021-02-13

Properties	Typical Data	Unit	Test Method
Stress at break (X-X direction, flat)	110 / -	MPa	Sim. to ISO 527-1/-2
Stress at break (Y-X direction, flat)	58 / -	MPa	Sim. to ISO 527-1/-2
Strain at break (X-X direction, flat)	2.2 / -	%	Sim. to ISO 527-1/-2
Strain at break (Y-X direction, flat)	4.5 / -	%	Sim. to ISO 527-1/-2
Thermal properties	dry / cond		
Melting temperature (10°C/min)	200 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	58 / *	°C	ISO 11357-1/-2
Thermal properties (injection molded)	dry / cond		
Temp. of deflection under load (1.80 MPa)	153 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	184 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Density	1170 / -	kg/m ³	ISO 1183

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