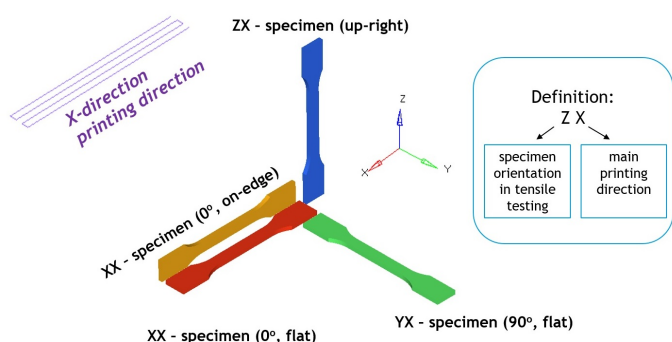


Novamid® ID1030 (F)

PA6/66

3D printing grade



Properties	Typical Data	Unit	Test Method
Mechanical properties (injection molded)	dry / cond		
Tensile modulus	2330 / 440	MPa	ISO 527-1/-2
Yield stress	72 / 31	MPa	ISO 527-1/-2
Yield strain	4.5 / 24	%	ISO 527-1/-2
Stress at break	42 / 46	MPa	ISO 527-1/-2
Strain at break	>50 / >50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / -	kJ/m ²	ISO 179/1eU
Thermal properties	dry / cond		
Melting temperature (10°C/min)	200 / *	°C	ISO 11357-1/-3
Thermal properties (injection molded)	dry / cond		
Temp. of deflection under load (1.80 MPa)	51 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	84 / *	°C	ISO 75-1/-2



Novamid[®] ID1030 (F)

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Melt volume-flow rate	2.3	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Melt flow index MFI	2.6 / *	g/10min	ISO 1133
MFI test load	2.16 / *	kg	ISO 1133
MFI test temperature	230	°C	ISO 1133
Other properties	dry / cond		
Water absorption	13 / *	%	Sim. to ISO 62
Humidity absorption	3.8 / *	%	Sim. to ISO 62
Density	1120 / -	kg/m ³	ISO 1183

