

Novamid® AM1030 FR (F)

PA6/66 FR

3D printing grade, Flame Retardant (halogen free)

Print Date: 2019-10-22

Mechanical data for injection molded samples

Properties	Typical Data	Unit	Test Method
Mechanical Properties (Injection Molded)			
	dry / cond		
Tensile modulus	3500 / -	MPa	ISO 527-1/-2
Yield stress	57 / -	MPa	ISO 527-1/-2
Yield strain	2.8 / -	%	ISO 527-1/-2
Stress at break	50 / -	MPa	ISO 527-1/-2
Strain at break	7 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	29.7 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / -	kJ/m ²	ISO 179/1eA
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
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

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