

Novamid® AM1030 FR (F)

PA6/66 FR

3D printing grade, Flame Retardant (halogen free)

Print Date: 2020-04-03

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
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.85 / *	mm	IEC 60695-11-10

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