Property Data (Provisional)

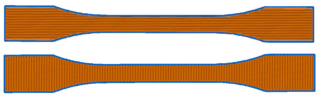
Novamid®

Novamid® ID 1030-CF10

PA6/66

3D printing grade, 10% Carbon Reinforced

Print Date: 2018-06-26



Upper figure: Flat X-X Direction
Lower figure: Flat Y-X Direction

Properties	Typical Data	Unit	Test Method
Mechanical properties	Value		
Tensile modulus (3D printed: flat X-X direction)	8340	MPa	ISO 527-1/-2
Stress at yield (3D printed: flat X-X direction)	127	MPa	ISO 527-1/-2
Strain at yield (3D printed: flat X-X direction)	3.4	%	ISO 527-1/-2
Stress at break (3D printed: flat X-X direction)	124	MPa	ISO 527-1/-2
Strain at break (3D printed: flat X-X direction)	3.8	%	ISO 527-1/-2
Tensile modulus (3D printed: flat Y-X direction)	3860	MPa	ISO 527-1/-2
Stress at yield (3D printed: flat Y-X direction)	78	MPa	ISO 527-1/-2
Strain at yield (3D printed: flat Y-X direction)	3.8	%	ISO 527-1/-2
Stress at break (3D printed: flat Y-X direction)	75	MPa	ISO 527-1/-2
Strain at break (3D printed: flat Y-X direction)	4.5	%	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
Other properties	dry / cond		
Density	1170 / -	kg/m³	ISO 1183