

SLS MATERIAL SPECIFICATIONS

Nytek 1100 B

Highlights

- High-elongation polyamide-based material in black

Applications

- Production SLS parts

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	Black	Black
Density	ASTM D792	0.0376 lb/in ³	1.04 gm/cc
Elongation at Break	ASTM D638	12 - 45 %	12 - 45 %
Flexural Modulus	ASTM D790	126,000 psi	869 MPa
Heat Deflection Temperature @ 264 psi	ASTM D648	111°F - 131°F	44°C - 55°C
Heat Deflection Temperature @ 66 psi	ASTM D648	302°F - 325°F	150°C - 163°C
Izod Impact Strength, (method A, notched)	ASTM D256	1.30 ft-lb/in	69 J/m
Tensile Modulus	ASTM D638	202,000 - 275,000 psi	1,393 MPa
Tensile Strength	ASTM D638	5,950 - 7,600 psi	41 MPa
Surface Finish	Ra	350 - 500 RMS	-



The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and process parameters. Material specifications are subject to change with out notice.