NyTek 1200 PA

LASER SINTERING MATERIAL SPECIFICATIONS

Highlights

- Excellent surface resolution/feature details
- Good chemical resistance
- Low moisture absorption
- Produce durable production parts without tooling

Applications

- Housings and enclosures
- Impellers, connectors, complex ductwork and snap-fit designs
- Low volume end-use parts
- Complex production plastic parts

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH		METRIC	
		XY AXIS	ZX AXIS	XY AXIS	ZX AXIS
Color/Appearance	Visual	White		White	
Density	DIN 53466	0.034 lb/in³		0.95 g/cm³	
Elongation at Break	ASTM D638	15%	4%	15%	4%
Flexural Strength	ASTM D790	6,850 psi	—	47 MPa	—
Flexural Modulus	ASTM D790	188,549 psi	—	1,300 MPa	—
Heat Deflection Temp @66 psi	ASTM D648	350°F	—	177°C	—
Heat Deflection Temp @264 psi	ASTM D648	187°F	—	86°C	—
Tensile Modulus	ASTM D638	246,500 psi	—	1,700 MPa	—
Tensile Strength	ASTM D638	6,815 psi	—	46 MPa	—
Izod Impact Strength (notched)	ASTM D256	0.8 ft-lb/in		43 J/m	
Surface Finish	Up-facing surfaces	350 microinches		9 µm RA	
Volume Resistivity (22°C, 50%RH, 500V)	ASTM D257-93	—		3.1 x 1014 ohm x cm	

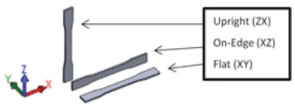
The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application. Stratasys makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use, or warranty against patent infringement.

XZ = X or "on edge"

XY = Y or "flat"

ZX = or "upright"



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