KODAK 3D Printing Filament

NYLON 6 · Technical Data Sheet

General Features

Chemical Name

Polyamide 6/66 copolymer

Benefits

- Very strong, shatterproof functional objects
- High abrasive resistance, small friction coefficient (slippery)

Main Applications

Ideal for tough objects with living hinges (one or two layer walls are flexible), resistant to chemicals and practically unbreakable. Mechanical parts, gears, pulleys, bearings, bones, clips, orthopedical objects, flanges.

Filament Characteristics

Diameter	Ø 1.75mm	Ø 2.85mm
Meters per spool	273.520m	103.128m
Weight per meter	2.74g	7.27g
Tolerance	±0.02mm	±0.03mm

Material Properties

	Draw Ratio		4,5	5,0	5,5	6,0
	Strength	g/d	4.4	5,1	6,2	7,1
Line	Tenacity	kg	146	172	215	254
	Elongation	%	51	42	36	32
Tensile Modulus		g/d	12	12	14	14
	Strength	g/d	2,8	3,3	3,6	3,4
Knot	Tenacity	kg	93	111	124	121
	Elongation	%	33	33	31	29

		Typical value	ASTM Method
Density	g/cm3	1.04	D792
Melt Flow Index (220C, 10kg)	g/min	38/10	D1238
Mold Shirinkage	%	0.5 - 0.8	D955
Water Absorption	%	-	D570

Recommended printer settings

Print temperature	245±5°C
Print bed temperature	100° First/Later
Cooling fans	Off
Closed environment	Required
Adhesive	Required

Available Colours

Colour	Pantone Code	Colour	Pantone Code
Black	6C	Neon	Blacklight reactive
Blue	2935 C	Natural	
Green	17-6153 TCX	Red	485 C

Disclaimer:

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