

KODAK 3D Printing Filament

HIPS · Technical Data Sheet

General Features

Chemical Name High Impact Polystyrene	Benefits <ul style="list-style-type: none">• High-resolution smooth surfaces• Great interlayer adhesion• Resistance to shattering	Main Applications Dissolvable support material for ABS, mate finishing parts, d lemonelo soluble supports, aircraft models.
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Filament Characteristics

	Ø 1.75mm	Ø 2.85mm
Meters per spool	294.163m	110.911m
Weight per meter	2.55g	6.76g
Tolerance	±0.02mm	±0.03mm

Properties

	Test Standard	Unit	Typical value
Density	ASTM D792	g/cm ³	1.06
Melt Mass-Flow Rate	ASTM D1238	g/10min	3
Water absorption	ASTM D570	%	0.07
Tensile Modulus	ASTM D638	MPa	1,350
Tensile Yield Strength	ASTM D638	MPa	17
Tensile Elongation at break	ASTM D638	%	>60
Izod Impact Strength	ASTM D256/A	J/m	95
VICAT Softening Temperature (B50)	ASTM D1525	°C	90
Temperature of Deflection Under Load (1.8 MPa)	ASTM D648	°C	89

Recommended printer settings

Print temperature	235±5°C	Closed environment	Required
Print bed temperature	95°C/100°C	Adhesives	Required
Cooling fans (1st layer/rest)	Off		

Available Colours

Colour	Pantone Code
Black	6C
Blue	2935 C
Red	485 C
White	11-4001

WARNING!

This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information, go to

www.P65Warnings.ca.gov

Disclaimer:

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