



MATERIAL DATA SHEET

BioFusion

DESCRIPTION

Extruder BioFusion is a new breed of bio-based compound material with a distinctive, metallic look.

APPLICATION

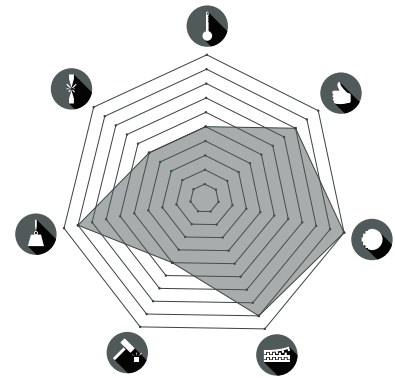
Extruder BioFusion is best suited for designers and makers who are looking for a superior metallic shine in their printed parts. Besides the look, this material offers better mechanical properties than PLA or PETG.

STORAGE AND SHELF LIFE

Store at room temperature (18-27°C / 65-80°F) in a dry place. Make sure it is out of direct heat and sunlight. When stored correctly, this material has a shelf life of 2 years.

PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ASTM D882	MPa	3200
Tensile strength	ASTM D882	MPa	55
Breaking stress	ASTM D882	%	5
Elongation at break	ISO 527	MPa	41
E-Modulus	ISO 178	MPa	2200
Impact resistance	ASTM D256	kJ/m ²	12 J/m
MFR	ASTM D1238	g/10 min	7
Melting temperature	ISO 3146-C	°C	200-210
VICAT A (VST)	ASTM D1525	°C	75
Shrinking	ASTM D955	%	0.3
Density	ASTM D792	g/cm ³	1.25



	TEMPERATURE RESISTANCE	5
	EASE OF PRINTING	8
	VISUAL QUALITY	10
	LAYER ADHESION	9
	IMPACT RESISTANCE	5
	MAXIMUM STRESS	9
	ELONGATION AT BREAK	5

TECHNICAL SUPPORT

support@extruder.com

PARAMETERS

Nozzle	190-230°C
Heatbed	0-60°C
Speed	60-120 mm/s

INFORMATION

For more detailed information about this product, please visit www.extruder.com/bif

