

BOUN

It is a filament based on PLA completely compostable, thanks to its low hardness you can print slightly flexible pieces. In addition, it stands out for providing a very soft touch in the printed piece reminiscent of materials made of rubber or latex.

Suitable for protective parts, grips, grips or elements where it is necessary to protect from vibrations such as silentblocks.



Biodegradable



Compostable

	VALUES	UNIT OF MEASUREMENT	STANDARD
PHYSICAL PROPERTIES			
Chemical composition	PLA compound		
Density	1.3	g/cm ³	ISO 1183
MECHANICAL PROPERTIES¹			
	XY PLANE	XZ PLANE	
Tensile strength	8.4	2	MPa
Traction module	90.8	127	MPa
Flexible force	8.5	4.4	MPa
Bending modulus	239	191	MPa
Traction elongation (until breakage)	150	1.4	%
Charpy Impact Force (notch, 23°C)	-	-	kJ/m ²
Hardness	55		Shore D
			ISO 7619 – 1

⁽¹⁾ Values obtained on printed specimens, nozzle 0.6 mm, 100% rectilinear infill, layer height 0.2 mm for more information please contact us by email at info@smartmaterials.com or visit our website www.smartmaterials3d.com

PRINT PROPERTIES			
Printing temperature	200 – 220		°C
Bed temperature	0		°C
Layer fan	50 – 80		%
Print speed	25 – 35		mm/s
Flow	100		%
Layer height	>=0.2		mm
Nozzle recommendations	Brass		mm

SIZE	NET WEIGHT	GROSS WEIGHT	DIAMETER	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Various colors	SmartBag, security seal,
L	1000 g	1256 g	1.75 mm/2.85 mm	Various colors	desiccant bag.

NOTICE: The information provided in the data sheets is intended to be for reference only. It should not be used as design values or quality control. Actual values can differ significantly depending on printing conditions. The final performance of printed components not only depends on the materials, design and printing conditions are also important.