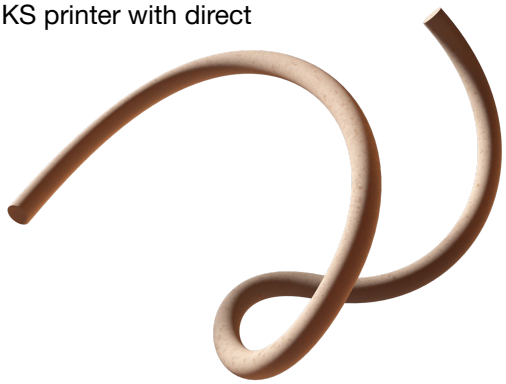
BioCir 3D

BioCir is a unique combination of high molecular weight bio-degradable polymers, naturally occurring bio-based constituents and other biodegradable modifiers that enable its functionality as footwear and beyond.

Property	**Test Standard**	**Unit**	**Value**
Density	ISO 1183	g/cm^3	1.16
Hardness	ISO 868	Shore A	84
Biobased content	^{14}C	%	50

Print Recommendation (Filaments)
Nozzle Temperature: 195-205℃
Bed Temperature: 70-80 ℃
Print speed: 20 mm/s
Cooling Fan: 100 %
Retraction Distance: 0 mm
The removal of the printed parts is best achieved at print bed temperature of approx. 60 °C

Notes
BioCir 3D filament is based on FDM technology, with a commonly used diameter of 1.75 mm.
The 3D printed parameters were determined by using a PRUSA i3 MKS printer with direct drive, PEI surface, a 0.8 mm nozzle and layer height of 0.2 mm.
The TDS data is constantly being extended by Balena.



Drying
BioCir is supplied dry, in sealed bags. When left open, drying is recommended @ 60℃, for 6hr.

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