

# Technical Data Sheet

## PLA Filament

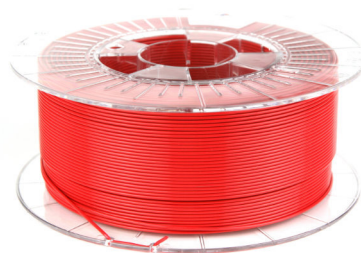
The material offered by Spectrum Group Sp. z o.o. has been developed and adapted to general modeling. Tests performed by Spectrum Group have showed that it is feasible to use the offered product in most 3D printers operating in FDM/FFF technology available on the market. Before the first use, it is advisable to print out a hard proof to check if the filament is compatible with your 3D printer.

Physical properties	Typical value	Test Method
Material density	1.24 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (210°C, 2.16kg)	6	ASTM D1238
Dimensional tolerance	± 0.05mm	

Mechanical properties	Typical value	Test Method
Tensile Strength	53 Mpa	ASTM D882
Tensile Elongation	6%	ASTM D882
Notched Izod Impact	16 J/m	ASTM D256
Tensile Yield Strength	60 Mpa	ASTM D882

Thermal properties	Typical value	Test Method
Heat Distortion Temperature	55°C	ASTM E2092
Glass Transition Temperature	55–60°C	ASTM D3418

Printing properties	Typical value	Test Method
Printing temperature	185–215°C	
Bed temperature	not required (45°C recommended)	



Technical data is provided according to the data of the base material and it is for information only.