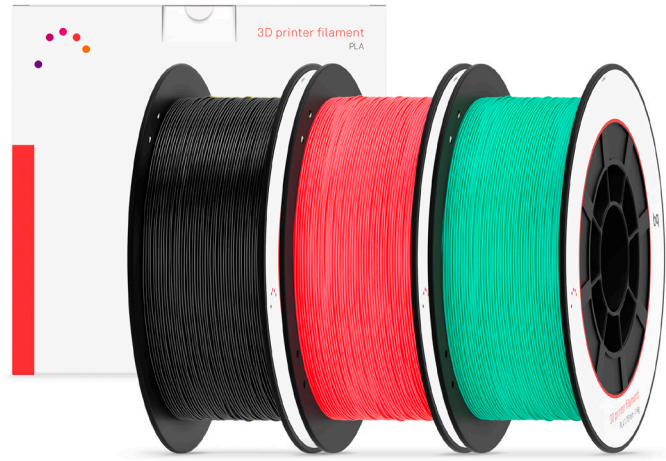PLA (Polylactic acid) is the best material for getting started with your 3D printer, as it:

– Hardens quickly

– Has minimal thermal tension

– Has minimal deformation

– Does not require Kapton tape

– Does not require heated bed

–Acetone-resistant

BQ PLA filament is made from 100% PLA.

PLA is a biodegradable product obtained from plant-derived sugars.

Flexural elastic modulus: 3600 MPa (ISO 178)

Flexural strength: 108 MPa (ISO 178)

Hardness: 85 Sh D (ASTM D2240)

	Injection-moulded test pieces	Printed test pieces[1]	Printed test pieces[2]
Tensile strength at break*	52 MPa	50 MPa	39 MPa
Tensile elongation at break*	5%	9%	4%
Tensile modulus*	1320 MPa	1230 MPa	1120 MPa

[1] Stretched parallel to layers
[2] Stretched perpendicular to layers
* ISO 527

Filament Diameter: 1.75 mm

Thickness: 1.24 g/cm³ (ASTM D792)

Weight: 1 kg

Spool Size: 195 mm x 73 mm

Recommended printing temperature: 200/220 ºC

Heat distortion temperature: 56 ºC (ISO 75/2B)

Melting temperature: 145/160 ºC (ASTM D3418)

Glass Transition Temperature: 56/64 ºC (ASTM D3418)

Compatible with: any printer that uses 1.75 mm filament

SKU: F000097	SKU: F000098	SKU: F000099	SKU: F000100	SKU: F000101
8 435439 881425	8 435439 881432	8 435439 881449	8 435439 881456	8 435439 881463
Coral	Turquoise	Violet	Sulphur yellow	Topaz blue

SKU: 05BQFIL023	SKU: 05BQFIL024	SKU: 05BQFIL025	SKU: 05BQFIL026	SKU: 05BQFIL027
8 436545 513651	8 436545 513668	8 436545 513743	8 436545 513682	8 436545 513699
Aubergine	Magenta	Sky blue	Coal black	Pure white

SKU: 05BQFIL028	SKU: 05BQFIL029	SKU: 05BQFIL030	SKU: 05BQFIL031	SKU: 05BQFIL032
8 436545 513705	8 436545 513712	8 436545 513729	8 436545 513736	8 436545 513750
Vitamine orange	Ruby red	Grass green	Bottle green	Ash grey

SKU: 05BQFIL033	SKU: 05BQFIL034
8 436545 513767	8 436545 513774
Transparent	Sunshine yellow

bq