



## Boson Material Data

Filament	Special Properties	Uses	Strength	Flexibility	Durability	Print Skills	Print Temp. (°C)	Bed Temp. (°C)
<a href="#">PLA</a>	Easy to Print, Biodegradable	Consumer Products	★★	★	★★	★	180 - 230	No
<a href="#">ABS</a>	Durable, Impact Resistant	Functional Parts	★★	★★	★★★★	★★	210 - 250	50 - 100
<a href="#">PETG (XT, N-Vent)</a>	Flexible, Durable	All-Rounder	★★	★★★★	★★★★	★★	220 - 235	No
<a href="#">Nylon</a>	Strong, Flexible, Durable	All-Rounder	★★★★	★★★★	★★★★	★★	220 - 260	50 - 100
<a href="#">Flexible, TPE, TPU</a>	Extremely Flexible, Rubber-Like	Elastic Parts, Wearables	★	★★★★	★★	★★★★	225 - 235	No
<a href="#">Wood</a>	Wood Finish	Home Decor	★★	★★	★★	★★	195 - 220	No
<a href="#">HIPS</a>	Disolvable, Biodegradable	ABS Dual Extrusion, Support Structures	★	★★	★★★★	★★	210 - 250	50 - 100
<a href="#">PVA</a>	Disolvable, Water Soluble, Biodegradable, Oil Resistant	PLA/ABS Dual Extrusion, Support Structures	★★★★	★	★★	★	180 - 230	No
<a href="#">PET (CEP)</a>	Strong, Flexible, Durable, Recyclable	All-Rounder	★★★★	★★★★	★★★★	★★	220 - 250	No
<a href="#">Metal</a>	Metal Finish	Jewelry	★★	★	★★★★	★★★★	195 - 220	No
<a href="#">Carbon Fiber</a>	Rigid, Stronger Than Pure PLA	Functional Parts	★★	★	★★★★	★★	195 - 220	No
<a href="#">Lignin (bioFila)</a>	Biodegradable	Looks and feels cool Stronger than PLA	★★	★	★★	★	190 - 225	55
<a href="#">PC Polycarbonate</a>	Strongest, Flexible, Durable, Transparent, Heat Resistant	Functional Parts	★★★★	★★★★	★★★★	★★	270 - 310	90 - 105
<a href="#">Conductive</a>	Conductive	Electronics	★★	★★	★	★	215 - 230	No
<a href="#">Wax (MOLDLAY)</a>	Melts Away	Lost Wax Casting	★	★	★	★	170 - 180	No
<a href="#">PETT (T-Glase)</a>	Strong, Flexible, Transparent, Clear	Functional Parts	★★★★	★★★★	★★★★	★★	235 - 240	No
<a href="#">ASA</a>	Rigid, Durable, Weather Resistant	Outdoor	★★	★	★★★★	★★	240 - 260	100 - 120
<a href="#">PP</a>	Flexible, Chemical Resistance	Flexible Components	★★	★★★★	★★	★★★★	210 - 230	120 - 150
<a href="#">POM, Acetal</a>	Strong, Rigid, Low Friction, Resilient	Functional Parts	★★★★	★	★★	★★★★	210 - 225	130

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<a href="#">PMMA, Acrylic</a>	Rigid, Durable, Transparent, Clear, Impact Resistant	Light diffusers	★★	★	★★★★	★★	235 - 250	100 -120
<a href="#">Sandstone (LAYBRICK)</a>	Sandstone Finish	Architecture	★	★	★	★★	165 - 210	No
<a href="#">Glow-In-The-Dark</a>	Luminous, Flourescent	For Fun	★★	★★	★★	★	215	No
<a href="#">Cleaning</a>	Cleaning	Unclogging of Nozzles	N/A	N/A	N/A	★	150 - 260	No
<a href="#">PC/ABS</a>	Rigid, Durable, Impact Resistant, Resilient, Deflecting Heat	Functional Parts	★★	★	★★★★	★★★★	260 - 280	120
<a href="#">Magnetic</a>	Magnetic	For Fun	★★	★★	★★	★★★★	195 - 220	No
<a href="#">Color Changing</a>	Changes Color	For Fun	★★	★★	★★	★	215	No
<a href="#">nGen</a>	Like PETG, but Easier to Print, Heat Resistant, Transparent	All-Rounder	★★	★★★★	★★★★	★★	210 - 240	60
<a href="#">TPC</a>	Extremely Flexible, Rubber-Like, Chemical-/ Heat-/ UV Resistant	Elastic Parts, Outdoor	★	★★★★	★★	★★★★	210	60 - 100
<a href="#">PORO-LAY</a>	Partially Water Soluble	For Fun, Experimental	★	★★★★	★★	★	220 - 235	No
<a href="#">FPE</a>	Flexible	Flexible Parts	★	★★★★	★★★★	★★	205 - 250	75

Note: All Material upto 300degC can be printer on printers with E3Dv6 hot-ends.