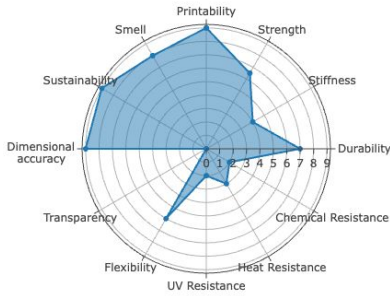


# PLA Matte (HS)



## Description

**PLA Matte (HS)** is our high-speed matte PLA formulation. Due to our enhanced formulation, PLA Matte can be printed at extremely high speeds, is extremely tough and the matte look hides layer lines resulting in OEM quality objects.

The ease of use combined with the capability of high-speed printing makes it a great option to speed up your 3D printing.

## Typical properties

	Standard	Value	Unit
Specific gravity	ISO 1133	1.35	g/cc
Melt flow rate	ISO 1133	14	cm <sup>3</sup> /10 min
Melting temp.	ISO 294	164	°C
Heat deflect. temp.	ISO 75	55	°C

## Typical properties (3D printed)

	Standard	XY Value	XZ Value	ZX Value	Unit
Tensile Strength	ISO 527-2	42.8	44.2	21.7	MPa
Yield Strength	ISO 527-2	32.9	32.8	/	MPa
Tensile Modulus	ISO 527-2	3800	3800	3200	MPa
Strain at Yield	ISO 527-2	4.1	3.6	0.8	%
Flexural Strength	ISO 178	81.8	83	52.7	MPa
Flexural Modus	ISO 178	4500	4500	4000	MPa
Impact Strength	ISO 179	6	/	/	kJ/m <sup>2</sup>

All specimens were printed with 100% infill, 2 shells and a layer height of 0.2mm

## Printing recommendations

	Standard	Value	Unit
Printing temp.	AF	205-225	°C
Bed temp.	AF	60	°C
Printing speed	AF	300-500	mm/s
Cooling	AF	100	%
Bed surface	/	(Textured) PEI, GLASS, BUILDTAK	/

