



OVERVIEW

Panchroma[™] is dedicated to expanding creative horizons through 3D printing. Committed to providing the broadest spectrum of colors, surface finishes, and filament effects, Panchroma[™] aim to enhance projects with simplicity.

Step into the Chromaverse and transform filament palette into vibrant realities!

COLOR RANGES

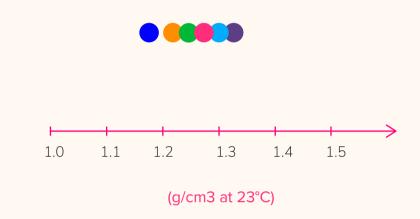


TENSILE STRENGTH 70 60 50 40 (MPa) 30 Ν 20 10 10 20 30 40 50 60

DENSITY

X-Y (MPa)

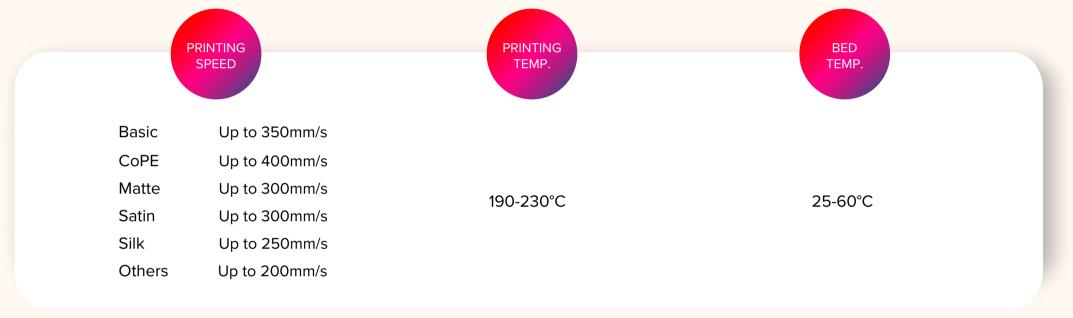
Charpy impact (KJ/m²)



Basic	62°C
CoPE	66°C
Matte	63°C
Satin	62°C
Silk	64°C
Other	63°C

VICAT SOFTENING TEMP.

RECOMMENDED PRINTING SETTINGS



SUPPORT

POLYDRYER ™ LEVEL

Recommended support material





PolySupport[™] & PolyDissolve[™] S1

Basic	1	0
CoPE	1	• • • •
Matte	1-3	
Satin	1-3	102
Silk	1	
Other	1	

DATA TABLE

COLOR RANGE	BASIC	COPE	MATTE	SATIN	SILK	OTHERS
Density (g/cm3 at 23°C)	1.32	1.30	1.37	1.24	1.24	1.17
Vicat softening temperature (°C)	62	66	62	62	64.7	63
Young's modulus (X-Y, MPa)	3071±73.2	2515±71	1997±64	2246±91	2403±74.5	3427±65
Tensile strength (X-Y, MPa)	40.4±0.86	51.6±0.3	23.2±0.5	31.1±0.8	41.1±0.8	52.3±0.3
Tensile strength (Z, MPa)	27.2±0.3	36.1±1.2	12.2±0.7	16.7±0.4	23.8±2.8	40.5±0.5
Notched Charpy impact strength (kJ/m²)	6.76±0.44	2.9±0.1	10.0±0.8	6.7±0.5	13.8±1.3	3.3±0.2
Printing temperature (°C)	190-230					
Bed temperature (°C)	25-60					
Printing speed	<350mm/s	<400mm/s	<300mm/s	<300mm/s	<250mm/s	<200mm/s
Recommended drying setting	55°C for 6h					

2. Printing speed is based on 0.4mm line width and 0.2mm layer height. It varies with different line width and layer height.

1. Testing method of Vicat softening temperature is ISO 306. Testing method of Young's modulus and Tensile strength is

Printing temperature 230°C Infill Bed temperature 50°C Environmental temperature

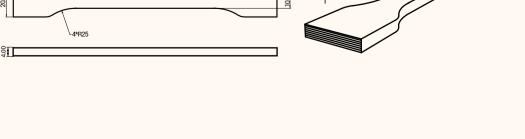
HOW TO MAKE SPECIMENS

ISO 527. Testing method of Notched Charpy impact strength is ISO 179.

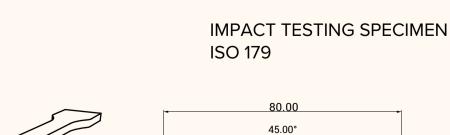
Bed temperature				
Shell	2			
Top & bottom layer	3			
TENSILE TESTING SPECIMEN				

Cooling fan	ON		
	IMPACT TE		

ISO 527



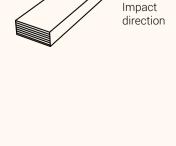
Z axis



4.00

100%

Ambient



Z axis

DISCLAIMER

The typical values presented in this data sheet are intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. Actual values may vary significantly with printing conditions. End-use performance of printed parts

depends not only on materials, but also on part design, environmental conditions, printing conditions, etc. Product specifications are subject to change without notice. Each user is responsible for determining the safety, lawfulness, technical suitability, and disposal/ recycling practices of Polymaker materials for the intended application. Polymaker makes no warranty of any kind, unless announced separately, to the fitness for any use or application. Polymaker shall not be made liable for any damage, injury or loss induced from the use of Polymaker materials in any application.

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