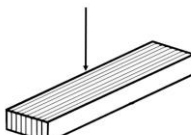
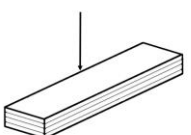
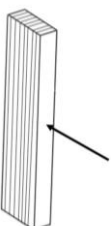
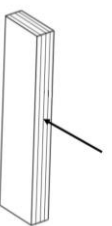


FLEXURAL TEST – STANDARD ISO 178				
Test specimens printed on Ultimaker 2+ with the following setup: <ul style="list-style-type: none"> - Nozzle type: Standard Brass 0.4 - Nozzle Temperature: 230 °C - Heat bed Temp: 85 °C - Print speed: 30 mm/s - Infill orientation: 45 °C - Cooling fan: OFF 	zy- parallel		xy- normal	
				
Infill	50%	100%	50%	100%
Flexural strength (Mpa)	58,0	63,9	50,3	57,8
Flexural Modulus (Mpa)	1298	1334	1239	1743
Deformation (%)	4,84	5,53	5,49	5,74

IMPACT TEST IZOD – STANDARD ISO 180				
Test specimens printed on Ultimaker 2+ with the following setup: <ul style="list-style-type: none"> - Nozzle type: Standard Brass 0.4 - Nozzle Temperature: 230 °C - Heat bed Temp: 85 °C - Print speed: 30 mm/s - Infill orientation: 45 °C - Cooling fan: OFF 	zy- normal		xy- parallel	
				
Infill	50%	100%	50%	100%
Impact strength (KJ/m²)	23,14	39,83	27,01	37,13
Impact Energy (J)	0,93	1,59	1,08	1,49

THERMAL PROPERTIES	VALUE	STANDARD
Glass Transition Temp.	62 °C	ASTM D3418
Heat Deflection Temp.	72 °C	ASTM D648

FILAMENT SPECIFICATIONS AND PRINT SETTINGS	
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Roundness deviation	max 2%
Suggested Print Temperature	230 – 245 °C
Suggested Print Speed	20 – 40 mm/s
Suggested Bed Temperature	85 °C
Cooling fan	OFF – 50%