Technical Data Sheet

Splint

Testing Items		Testing Method	Typical Value	Unit
Viscosity		ASTM D445	1030	mPa·s(25℃)
Density		ASTM D792	1.05	g/cm³
Color		-	Clear	-
Temperature Properties		ASTM D648	53	℃ (0.45 MPa)
Shore Hardness		ASTM D2240	85	Shore D
Tensile Properties	Ultimate Tensile Strength	ASTM D638	26	MPa
	Tensile Modulus	ASTM D638	2130	MPa
	Elongation	ASTM D638	20	%
Flexural Properties	Flexural Strength	ASTM D790	53	MPa
	Flexual Modulus	ASTM D790	1594	MPa
Impact Properties	Notched IZOD	ASTM D256	80	J/m

Notes:

1. It was tested with 3D printed specimen.
2. All test pieces were printed with a RAYSHAPE Shape 1+ 3D printer.

Specimens

Fig 1. Tensile testing specimen
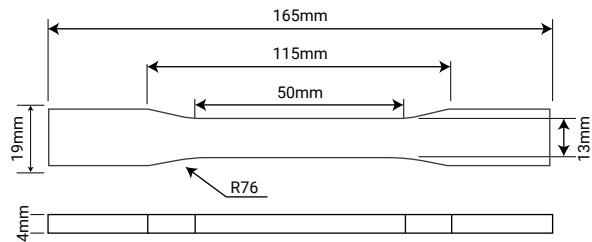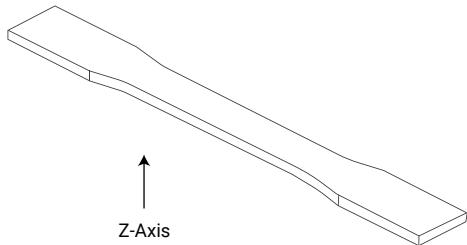

Fig 2. Impact testing specimen
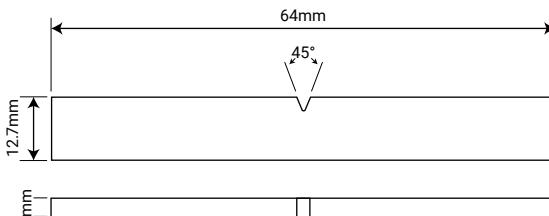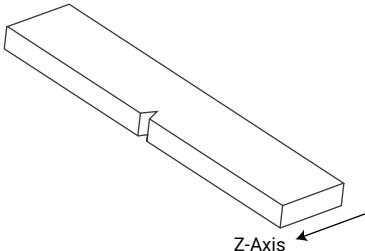
Fig 3. Flexural testing specimen
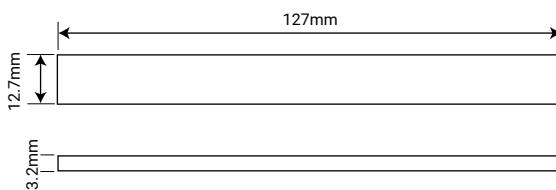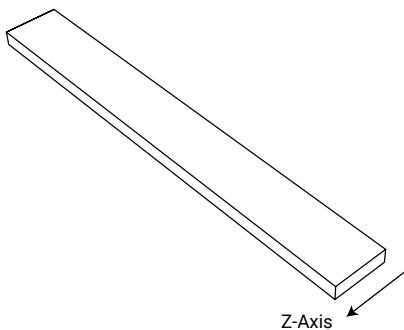
Disclaimer

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. Enduse performance of printed parts depends not only on materials, but also on part design, environmental conditions, printing conditions, test conditions, etc. Product specifications are subject to change without notice.

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