

Technical Data Sheet

SG-V2

Testing Items	Testing Method	Typical Value	Unit	
Viscosity	ASTM D445	686	mPa·s(25°C)	
Density	ASTM D792	1.19	g/cm ³	
Color	-	Clear	-	
Temperature Properties	ASTM D648	63	°C (0.45 MPa)	
Shore Hardness	ASTM D2240	88	Shore D	
Tensile Properties	Ultimate Tensile Strength	ASTM D638	57	MPa
	Tensile Modulus	ASTM D638	2100	MPa
	Elongation	ASTM D638	5.8	%
Flexural Strength		ASTM D790	91	MPa
Flexural Modulus		ASTM D790	2392	MPa
Impact Properties	Notched IZOD	ASTM D256	52	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

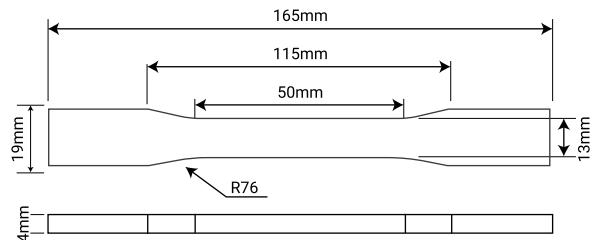
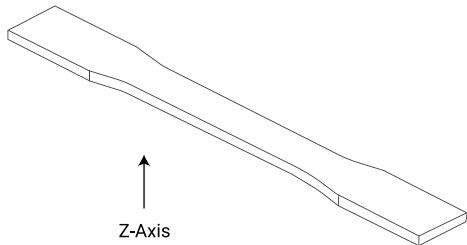


Fig 2. Impact testing specimen

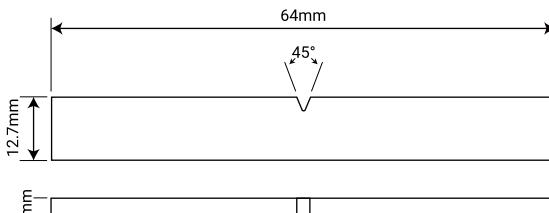
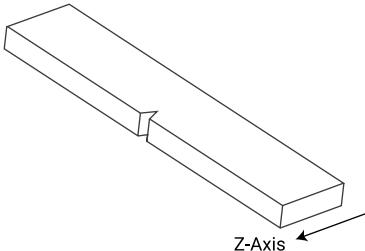
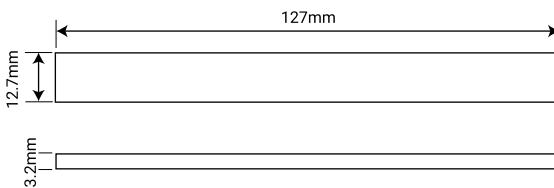
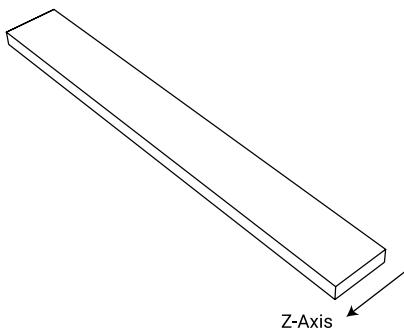


Fig 3. Flexural testing specimen



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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