

Testing Items		Testing Method	Typical Value	Unit
Viscosity		ASTM D445	605	mPa·s (25°C)
Density		ASTM D792	1.19	g/cm ³
Color		-	Black	-
Temperature Properties		ASTM D648	60-65	°C (0.45 MPa)
Shore Hardness		ASTM D2240	80	Shore D
Tensile Properties	Ultimate Tensile Strength	ASTM D638	35	MPa
	Tensile Modulus	ASTM D638	2947	MPa
	Elongation	ASTM D638	13	%
Flexural Properties	Flexural Strength	ASTM D790	55	MPa
	Flexural Modulus	ASTM D790	1500	MPa
Impact Properties	Notched IZOD	ASTM D256	28	J/m
Antistatic properties	Surface resistivity	ANSI/ESD 11.11	10 ⁶ -10 ⁸	Ω/sq

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

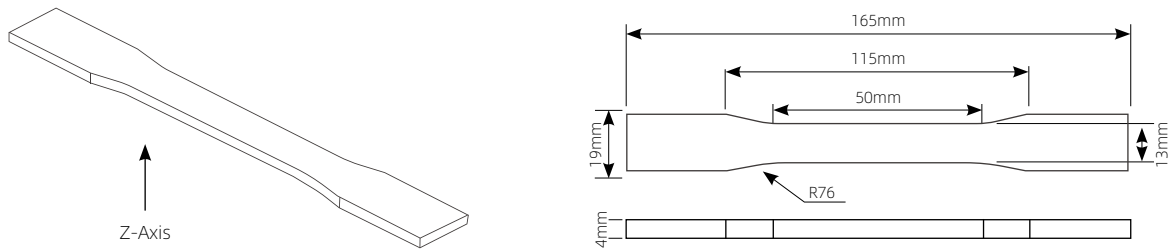


Fig 2. Impact testing specimen

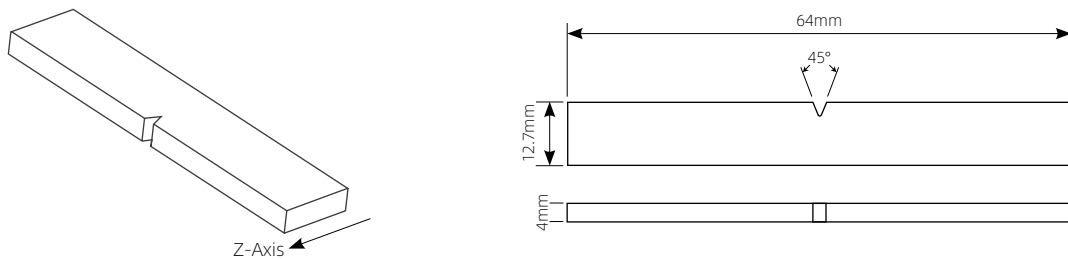
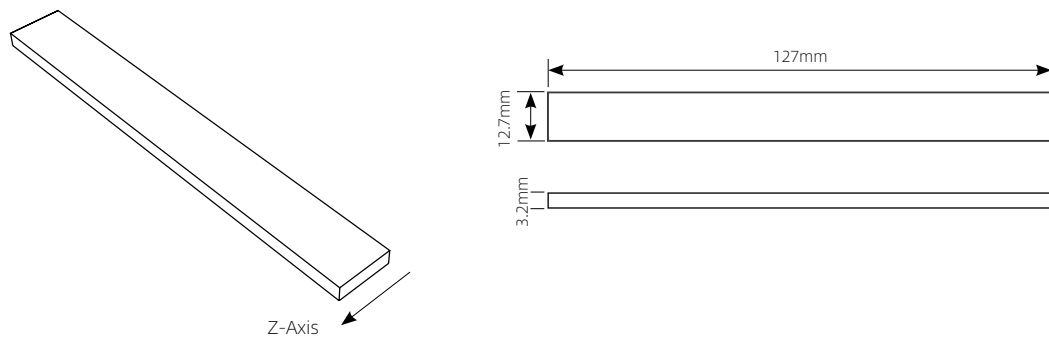


Fig 3. Flexural testing specimen



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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