

SLA · RESIN

Tough Resin — Somos NeXt

Resin

Tough ABS-like SLA resin with high modulus and low viscosity — resists fracture and cracking better than standard SL resins.


60–66 MPa

TENSILE

4.6–7.2 %

ELONGATION

84

SHORE D

2970–3285 MPa

MODULUS

MATERIAL OVERVIEW

Tough ABS-like SLA resin with high modulus and low viscosity — resists fracture and cracking better than standard SL resins.

PRINTED IN THIS MATERIAL



Printed parts

HIGHLIGHTS

- **Viscosity:** ~480 mPa·s @30°C
- **Density:** ~1.12 g/cm³
- **Flexural modulus:** 1843-2017 MPa
- **Tg:** 40-48 °C

MECHANICAL PROPERTIES

PROPERTY	VALUE	UNIT
Tensile	60–66	MPa
Modulus	2970–3285	MPa
Elongation	4.6–7.2	%
Flexural modulus	1843–2017	MPa
Shore D	84	

IDEAL APPLICATIONS

- Functional testing
- Low-volume manufacturing
- Snap-fit designs
- Impellers
- Connectors
- Sporting goods

PHYSICAL & THERMAL

PROPERTY	VALUE	UNIT
Viscosity	~480	mPa·s @30°C
Density	~1.12	g/cm ³
Tg	40–48	°C
Deflection temp @0.46 MPa	53–57	°C
Water absorption	0.36–0.40	%

