

SLA · RESIN

Tough ABS-like Resin — Somos Taurus

Resin

PP/ABS-like SLA resin with thermoplastic strength and high heat tolerance (HDT up to ~91°C after thermal post-cure); good living hinges.


46.9–49 MPa

TENSILE

17–24 %

ELONGATION

83

SHORE D

62–91 °C

HDT @0.46 MPA

MATERIAL OVERVIEW

PP/ABS-like SLA resin with thermoplastic strength and high heat tolerance (HDT up to ~91°C after thermal post-cure); good living hinges.

PRINTED IN THIS MATERIAL



HIGHLIGHTS

- **Viscosity:** ~350 cps @30°C
- **Density:** ~1.13 g/cm³
- **Modulus:** 2206–2310 MPa
- **Flexural:** 62.7–73.8 MPa

MECHANICAL PROPERTIES

PROPERTY	VALUE	UNIT
Tensile	46.9–49	MPa
Modulus	2206–2310	MPa
Elongation	17–24	%
Flexural	62.7–73.8	MPa
Flexural modulus	1724–2054	MPa
Izod impact	35.8–47.5	J/m

IDEAL APPLICATIONS

Tough functional prototypes

End-use parts

Under-hood automotive

Aerospace functional testing

Electronics connectors

PHYSICAL & THERMAL

PROPERTY	VALUE	UNIT
Viscosity	~350	cps @30°C
Density	~1.13	g/cm ³
HDT @0.46 MPa	62–91	°C
Tg	53–54	°C

