

SLA Materials – High Toughness Resin

# Somos® Taurus™

## Product Description

DSM Somos® Taurus™ is a nylon-like Stereolithography (SLA) resin material that combines heat resistance and toughness, with a heat resistance of up to 90°C and a notched impact strength of 47.5 J/m. It has a smooth surface finish and is suitable for outdoor parts, gears and housings.

## Typical Features

- High heat resistance (up to 90°C).
- High toughness and impact resistance.
- Good dimensional stability, suitable for functional prototypes and engineering parts.

## Physical Properties (Liquid)

Appearance	Charcoal, blue-grey
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## Mechanical Properties (90-minute UV post-cure)

Property Description	Test Method	Metric
Heat Deflection Temperature (HDT)	ASTM D648 @ 66 psi	90 °C
Tensile Modulus	ASTM D638	2310 MPa
Flexural Modulus	ASTM D790	2054 MPa
Tensile Strength	ASTM D638	46.9 MPa
Izod Impact (Notched)	ASTM D256	47.5 J/m
Elongation at Break	ASTM D638	24%
Hardness (Shore D)	ASTM D2240	83
Water Absorption	ASTM D570-98	0.75%

Note: Material performance may vary depending on application, processing conditions and end-use environment. The information in this spec sheet is provided as typical values only and is not guaranteed.