

SLA · RESIN

Tough Black Resin — KS808-BK

Resin

High-toughness black SLA resin combining durability and precision for functional prototypes and end-use parts.


25–30 MPa

TENSILE

12–20 %

ELONGATION

79–83

SHORE D

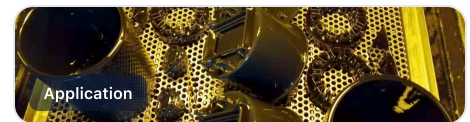
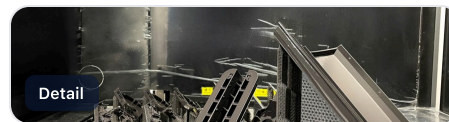
58–70 °C

HDT

MATERIAL OVERVIEW

High-toughness black SLA resin combining durability and precision for functional prototypes and end-use parts.

PRINTED IN THIS MATERIAL



HIGHLIGHTS

- **Density:** 1.12-1.14 g/cm³
- **Viscosity:** 450-505 cps @25°C
- **Modulus:** 2150-2370 MPa
- **Flexural:** 60-75 MPa

MECHANICAL PROPERTIES

PROPERTY	VALUE	UNIT
Shore D	79–83	
Tensile	25–30	MPa
Modulus	2150–2370	MPa
Elongation	12–20	%
Flexural	60–75	MPa
Flexural modulus	2650–2750	MPa

IDEAL APPLICATIONS

High-toughness functional prototypes

Concept models

Automotive

Aerospace

Architecture

Electronics

PHYSICAL & THERMAL

PROPERTY	VALUE	UNIT
Density	1.12–1.14	g/cm ³
Viscosity	450–505	cps @25°C
HDT	58–70	°C
Tg	60–77	°C


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additiveplus.com · info@additiveplus.com · +1 (747) 800-4854 ·
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