Stereolithography (SLA)

# Formlabs Black

## Key Features

Smooth surface • Stiffness • High resolution

## Applications

Prototyping • Models • Consumer goods

## Product Description

Formulated for strong, precise concept models and prototypes, this Black Resin offers an opaque matte finish akin to injection-molded plastics. With a matte surface and precise details, prints are ready for immediate use, serving as a neutral base for painting or finishing processes. Engineered for intricate details, this resin ensures accurate and robust parts, ideal for rapid prototyping and product development. With great mechanical properties, it supports high-detail presentation-ready pieces with a polished look.

## Properties*

| | |
|---|---|
| Tensile modulus | 2,800 MPa |
| Tensile strength | 65 MPa |
| Elongation at break | 6.2% |
| Flexural modulus | 2,200 MPa |
| Notched izod | 25 J/m |
| Heat deflection temperature (0.45 MPa) | 73°C |
| Heat deflection temperature (1.80 MPa) | 58°C |

*Post-cured state

## Reference

For more detailed source information, please consult the original document linked here. We encourage users to verify the data's relevance and suitability for their specific needs.