

Pure BLK

RESINS FOR SLA 3D PRINTING



MATERIAL NAME

Pure BLK

COLOR

Black

PROCESS

SLA

PRODUCT DESCRIPTION

Pure BLK is a special black light-curing molding resin for SLA. The samples printed with it are matte and pure black, with high color saturation and no need for spray painting. This greatly simplifies the post-processing process and is suitable for model printing that requires color in the electronics industry.

TYPICAL APPLICATIONS

- Appearance display
- Assembly testing
- Functional prototype testing
- Educational/Display Model

PRODUCT SAFETY

Handle printed parts according to normal workshop safety practices. Review material-specific handling, finishing, and operating requirements before use.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
Store parts in a clean, dry environment away from moisture, direct sunlight, and heat.
- **TRANSPORTATION**
Pack parts with cushioning and moisture protection. Avoid impact, compression, and prolonged exposure to heat during transit.

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Density (g/cm3)	ISO 1183	1.11 g/cm3
Hardness	ISO 868	Shore D 84
Tensile strength (MPa)	ISO 527	65 MPa
Tensile modulus (MPa)	ISO 527	3260 MPa
Elongation at break	ISO 527	6.8%
Flexural strength (MPa)	ISO 178	101 MPa
Flexural modulus (MPa)	ISO 178	3128 MPa
Heat deflection temperature @ 0.45 MPa (deg C)	ISO 75	HDT @ 0.45 MPa: 62 deg C
Heat deflection temperature @ 1.8 MPa (deg C)	ISO 75	HDT @ 1.8 MPa: 57.5 deg C
Impact strength notched	ASTM D256	26 J/m; ASTM D256 (Izod)

Tips: Want to explore a wider range of materials? Check out <https://www.unionfab.com/materials>