



## IAG-S-28: Rebound Rubber-like

### Technical Data Sheet

扫码联系

产品经理:



## General Information

Nagase's IAG-S-28 is specially formulated Rebound Rubber-like UV resin for large-scale 3D printer of SLA type.

It contains acrylic materials and shows high-elongation with toughness and high rebound resilience after 3Dprinting.

## Application

Shoe midsole  
Sporting gear  
Industrial parts etc.

## Typical Packaging

18.5kg in 20L grey poly bottle

## Technical DATA

| Liquid Properties |                                    | Optical Properties            |                          |
|-------------------|------------------------------------|-------------------------------|--------------------------|
| Materials         | Special acrylic resin              | Dp                            | 7.1mils (0.18mm)         |
| Color             | Black                              | Ec                            | 28.0 mJ/cm <sup>2</sup>  |
| Viscosity         | 890 mPa·s (25℃)<br>450 mPa·s (40℃) | Recommended<br>Exposed Energy | *80.0 mJ/cm <sup>2</sup> |
| Density           | 1.07 g/cm <sup>3</sup>             |                               |                          |

\*300mW/cm<sup>2</sup>, Spacing Line=0.03mm

| Physical Properties         |            |           |
|-----------------------------|------------|-----------|
| Properties                  | Method     | Postcured |
| Hardness                    |            | Shore A68 |
| Ultimate Tensile Strength   | ASTM D638  | 11 MPa    |
| Elongation at Break         | ASTM D638  | 250%      |
| Tensile Modulus             | ASTM D638  | 12 MPa    |
| Tg                          | DMA        | -55℃      |
| Bayshore Rebound Resilience | ASTM D1054 | 47%       |

**NOTES-** Results in this data sheet may vary and depend on individual machine processing and post-curing conditions.

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