

# TS-60

TS-60 is characterized by high impact strength and suitable for a wide range of applications. It can be used to produce drones, wearable devices and various types of devices.

- Tough, high impact resistance.
- Shape memory materials.
- Shore hardness(A)  $\geq 95$ .
- Nontoxic.



## 1. PROPERTIES OF 3D PRINTING RESIN

| Properties    | Unit           | TS-60           | Remark     |
|---------------|----------------|-----------------|------------|
| Color         | -              | Yellowish       | -          |
| Viscosity     | cps @ 25°C     | 1,000 $\pm$ 200 | Brookfield |
| Solid content | % @ 80 °C * 1h | $\geq 98$       | -          |

## 2. PROPERTIES OF 3D PRINTING PRODUCT

| Properties         | Unit             | TS-60         | Remark             |
|--------------------|------------------|---------------|--------------------|
| Color              | -                | Clear         | -                  |
| Shore hardness (A) | -                | $\geq 95$     | -                  |
| Flexural Strength  | Mpa              | $\geq 40$     | ASTM D790          |
| Flexural Modulus   | Mpa              | $\geq 1,000$  | ASTM D790          |
| Tensile Strength   | Mpa              | $\geq 50$     | ASTM D638          |
| Tensile Modulus    | Mpa              | $\geq 3,000$  | ASTM D638          |
| Elongation         | %                | $\leq 100$    | ASTM D638          |
| Impact Strength    | J/m <sup>2</sup> | $\geq 14,000$ | ASTM D256(Notched) |

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