Product technical specifications

Technical Data Sheet

Product and company description

Chemicals Chinese name:
ABS-like material
Model: LCD Series ABS Material Upgrade
Applicability: Suitable for jewelry industry, clocks, glasses, industrial parts design, etc.
Manufacturer / Supplier: Shenzhen Yongchanghe Technology Co., Ltd.
Address: Building 4, Longwangmiao Industrial Zone, Baishixia, Fuyong Town, Baoan District, Shenzhen
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Product characteristics:

1. The curing time is short, the temperature of the molding process is not deformed, the surface of the finished product is smooth, and the precision is high.
2. The finished product has excellent strength, excellent and impact resistance, and has certain toughness.

Technical parameters:

1. Viscosity: 150-350MPa · s (NDJ-8S Rotary Viscometer (25 ° C))
2. Absorption band: 355nm-410nm
2. Density: 1.05-1.13g / cm
3 (density meter (25 ° C))

Method of use

Ultraviolet curing additive manufacturing resin cured products
Additive manufacturing resins create 3D printed objects. Forming process: DLP / SLA equipment contains a
Resin-containing liquid tank for resin, the DLP / SLA imaging system is placed below the liquid tank, and its imaging surface is located exactly
The bottom of the liquid tank, through energy and graphic control, can cure a thin layer of resin of a certain thickness and shape (50μ m / 25μ
m) (This layer of resin has exactly the same cross-sectional shape as the previous cut). A lifting mechanism is set above the liquid tank.

After the secondary cross-section exposure is completed, pull up a certain height (the height is consistent with the layer thickness), so that the currently cured
The solid resin is separated from the bottom surface of the liquid tank and adhered to the pull-up plate or the resin layer formed last time, so that it is exposed layer by layer And it is lifted to generate a three-dimensional solid, and finally obtains a cured resin of a UV-curable additive manufacturing resin after curing.

V. Parameters after molding:

1. Bending modulus: 1.192-2.525Mpa
2. Bending strength: 68-80MPa
3. Thermal expansion coefficient: 97 * E-6
4. Tensile strength: 42-62MPa
5. Tensile modulus: 1.86-2.645MPa
6. Tensile strain at break: 11% -21%
7. Shore hardness: 82-85D
8. Glass transition temperature: 80 ℃
9. Density: 1.05-1.25g / cm3
10. Notched impact strength: 60-80j / m

Six, matters needing attention:

1. This product is for single use and cannot be reused.
2. This material should not come in contact with eyes, skin, or clothing, and should not be tasted or ingested. Use only with good ventilation.
Please pay attention to air circulation and take protective measures. Wash thoroughly after handling.
3. The product is in a liquid state and has a slight odor. Wear a mask when using to avoid inhalation of aerosols and cause infection.
4. The product should be stored in a sealed container, sealed after use, and placed in a dry and well-ventilated place, and should not be exposed
In the sun.
5. If accidentally inhaled, leave the scene in time and seek medical treatment.
6. If you accidentally touch the skin, wash the skin with soapy water and clean water or consult a doctor.
7. If you accidentally touch your eyes, immediately open your eyelids, rinse with soap and water for about 20 minutes and seek medical attention in a timely manner.
8. If inhaled or swallowed accidentally, do not induce vomiting, keep a rest, and send it to the hospital for treatment in time.
9. Dispose of waste in accordance with local environmental regulations.

Seven, storage:

Store the product in a dry, ventilated, non-corrosive gas room. Do not store in a place exposed to sunlight and humidity. Shelf life 1

year. **(** Resin works best when stored at **25-30** degrees **)**