ABChimie42K-UV LED

UV LED soft resin, High viscosity

ABChimie42K-UV LED is a soft one component resin, UV curable which have a good adhesion on many substrates. It can be applied in high thickness deposit (few mm). Its curing is immediate with UV LED radiations.

ABChimie42K-UV LED gives local protection for your components, especially against humidity and high electric pressure. It also can be applied to bring robustness to your systems.

CHARACTERISTICS
- Soft resin,
- Protection against humid and thermal environments,
- Excellente adhesion on many substrates (PCB, plastics,…),
- No VOC,
- Product cured until 5mm-thickness
- Very fast curing under UV exposure
- Space ground reduced compared with solvent bases.
- High speed process, increase of the productivity.
- Approved UL 94V0 (QMJU2-E308681).

DRYING TIME AND CURING CONDITIONS

ABChimie42K-UV LED cures with UV LED technology.

LED UV curing:

It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of the resin ABChimie42K-UV LED:

LED lamp 395 nm, power: 8W/cm²
Distance lamp - polish: 0 to 10cm

Minimum UVA2 dose : 2000mJ/cm² (to a 2mm-tickness)

Process can work with recommended UV LED oven:

UVLED395 from SMT Europe

Contact: M. Joan BENARD
SMT Europe
08860 Castelldefels (Barcelona) SPAIN
+34 902 551 583
LIQUID PROPERTIES:

Color | Transparent (light yellow coloration)
Composition | Urethane Acrylate
Viscosity (@ 21 °C) | 38 000 – 46 000 mPa.s (estimated)
Specific gravity (20°C) | 1,1

CURED PROPERTIES:

Color | Transparent (light yellow effect)
Hardness Shore (after 7 days) | 25D
Tg | -6°C
CTE (-40 to 10°C) | 150 ppm/°C
CTE (30 to 105°C) | 240 ppm/°C
VRT test | -25°C +70°C, 100 cycles, pente 1°C/mn
Moisture heat | 85°C, 85%HR, 100h
Temperature | From -50°C à + 150 °C
Auto-extinguishing | UL94 V0
Dielectric strength | 60kV/mm

ABchimie42K-UV LED is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

PACKAGING:

Resin ABchimie 42K-UV LED
- Bulk 1kg
- Bulk 5kg

Cleaner
- Bulk 5 litres
- Bulk 5 litres

STORAGE AND SHELF LIFE:

ABchimie42K-UV LED resin must be store in a dark container and closed. ABchimie42K-UV LED mustn’t be exposed at UV light.
In any case, please refer to MSDS for good storage conditions.

Storage temperature: 5 to 30°C
A temporary lower or higher temperature (maximum 40°C) during few days (transport) doesn’t distort varnish properties.

Date by use: 12 months after the date of manufacturing

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. ABchimie cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Toutes ces informations sont données en toute bonne foi mais sans garantie. Chaque application étant différente, il est vivement conseillé d'effectuer des tests préalables. Les spécifications concernant les propriétés sont données à titre indicatif et non comme étant spécifiques.