



Solmer

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Aliphatic Urethane Acrylate

SU 519

Descriptions

SU 519 is an acrylated aliphatic urethane oligomer diluted with 30% of hydroxy propyl methacrylate (HPMA), specifically designed for use in solder resist coatings on printed circuit boards and may be cured by ultraviolet light (UV) or electron beam (EB).

Features

- Improved flexibility.
- Good heat resistance.
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Specifications

| | |
|---------------------------------|-----------------|
| - Viscosity (mPa.s, 25°C) | 12,000 ~ 18,000 |
| - Color (Gardner) | 2 Max |
| - Density (g/cm ³) | 1.07 |
| - Molecular weight | 2,000 |
| - Functionality | 2 |
| - Polymer solid % by weight | 70 |
| - HPMA % by weight | 30 |

Applications

- Method : spray, screen, roll and curtain coating.
- Substrate : plastics, glass
- Plastic coating such as mobile phone (ABS,PC).
- Wood flooring.
- Overprint varnishes.
- Clear coatings.

Handling

Storage :

Avoid continuous staying over than 40°C
Handle with care and avoid unnecessary personal contact.

Avoid contact with eyes and prolonged or repeated skin contact.

Avoid continuous or repetitive breathing of dust.