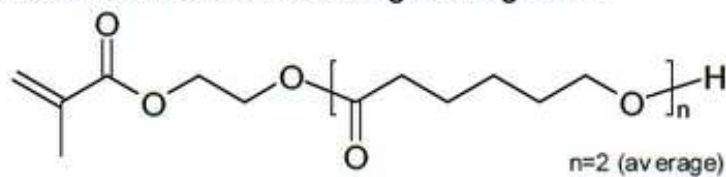


PLACCEL FM2D

Epsilon-Caprolactone-modified Hydroxyalkylmethacrylate

<Description>

PLACCEL FM2D is macro monomer with a methacrylic double bond and a primary hydroxyl group. Primary hydroxyl groups in the acrylpolyol resin are composed by a copolymerization of the PLACCEL FM series. These are located at the end of a flexible polycaprolactone chain and far from the main chain of structure. Consequently, the resins can be easily reacted with melamine or other hardening agent such as polyisocyanate to complete crosslinking. This results in elastic and strong coating films.



<Composition / Information on ingredients>

Composition of Substances in Weight Substances

| Chemical Name & CAS No. | Concentration in % Range | Unit |
|--------------------------|--------------------------|--------|
| Hydroxyalkylmethacrylate | 80-90% | Weight |
| Hydroxyol | 10% | Weight |
| Hydroxyalkylmethacrylate | 10-15% | Weight |

Global Regulation

| RoHS | REACH | SVHC | Phthalates | DEHP | BBP | BPA | Phthalates | Phthalates | Phthalates |
|------|-------|------|------------|------|-----|-----|------------|------------|------------|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |

RoHS: Complies with RoHS restrictions. REACH: Complies.

Physical properties

| Item | Value | Unit | Item | Value | Unit | Item | Value | Unit | Item |
|------------|-------|-------------------|-----------|-------|-------------------|-----------|-------|-------------------|-----------|
| Appearance | White | | Color | White | | Color | White | | Color |
| Weight | 1.00 | g/cm ³ | Weight | 1.00 | g/cm ³ | Weight | 1.00 | g/cm ³ | Weight |
| Viscosity | 100 | Pa·s | Viscosity | 100 | Pa·s | Viscosity | 100 | Pa·s | Viscosity |

It should be noted that typical property values shown in the technical data sheet are representative values and do not guarantee values. Please contact us to check actual product and guaranteed values.

Please refer to our MSDS (Safety Data Sheet) for information on the handling of each product.

DAICEL CORPORATION

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