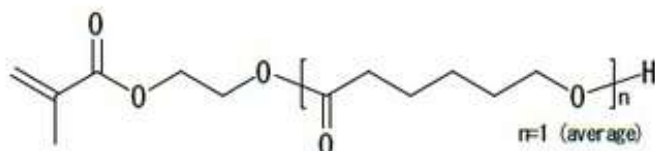


# PLACCEL FM1D

## Epsilon-Caprolactone-modified Hydroxyalkylmethacrylate

### <Description>

PLACCEL FM1D 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 PLACCEL FM1D (Weight %)

| Chemical Name & CAS No.   | Composition in PLACCEL | Unit (g) |
|---------------------------|------------------------|----------|
| Hydroxyalkylmethacrylate  | 71-75%                 | 1000     |
| Hydroxyol                 | 13.7%                  | 1000     |
| Hydroxyalkyl methacrylate | 21-25%                 | 1000     |

### Global Regulation

| RoHS | REACH | SVHC | Phthalates | PAHs | Hexachlorocyclopentadiene | Hexachlorobenzene | Hexachloroethane | Hexachloroethane | Hexachloroethane | Hexachloroethane |
|------|-------|------|------------|------|---------------------------|-------------------|------------------|------------------|------------------|------------------|
| ✓    | ✓     | ✓    | ✓          | ✓    | ✓                         | ✓                 | ✓                | ✓                | ✓                | ✓                |

RoHS: 100% Compliant, REACH: 100% Compliant

### Physical Properties

| Property   | Value            | Unit | Property  | Value | Unit | Property | Value | Unit              | Property      | Value | Unit |
|------------|------------------|------|-----------|-------|------|----------|-------|-------------------|---------------|-------|------|
| Appearance | Colorless liquid |      | Viscosity | 100   | Pa·s | Density  | 1.10  | g/cm <sup>3</sup> | Boiling Point | 100   | °C   |

It should be noted that typical property values shown in the technical data sheet are representative values and are not guaranteed 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.

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