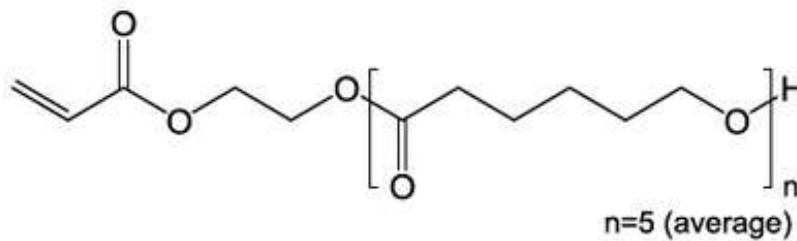


# PLACCEL FA5

## Epsilon-Caprolactone-modified Hydroxyalkylacrylate

### <Description>

PLACCEL FA5 is macro monomer with an acrylic double bond and a primary hydroxyl group used as the modifying agent for acrylic resins. It's especially used as the material of urethane-acrylates giving the ability to reduce crystallinity and viscosity. Therefore, urethane-acrylates made from PLACCEL FA5 show higher flexibility. This results in strong and flexible coating films.



### <Composition / Information on ingredients>

Component Name	Concentration in the Sample	Unit (%)
PLACCEL FA5 (macro monomer)	97% (96.2%)	100%
Hydroxyethyl acrylate	2.0%	100%
Hydroxyethyl methacrylate	0.3%	100%

### <Physical Properties>

Property	Value	Unit
Appearance	Colorless liquid	
Boiling point	110	°C
Freezing point	-10	°C
Density (20°C)	1.10	g/cm <sup>3</sup>
Refractive index (20°C)	1.45	
Flash point	25	°C

### <Typical properties>

Property	Value	Unit
Weight-average molecular weight (M <sub>w</sub> )	1000	g/mol
Number-average molecular weight (M <sub>n</sub> )	500	g/mol
Polydispersity index (PDI)	2.0	
Acrylic double bond content (%)	95	
Hydroxyl group content (%)	5	

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 obtain actual data of product and guaranteed values.

Please refer to our MSDS (safety data sheet) for information on the handling of each product.

**DAICEL CORPORATION**

ORGANIC CHEMICALS DIVISION (100-100)  
Organic Chemical Marketing Group  
4-1-1 Higashi, Tsukuba, Ibaraki 305-8565, Japan  
Tel: 81-298-532-1111

PLACCEL FA5 (macro monomer)  
PLACCEL FA5 (macro monomer)  
PLACCEL FA5 (macro monomer)