



# Orca Kote

## Non-Promoted Iso

### Unsaturated Polyester Gel Coat

### Description

Non-Promoted, Non-Waxed, Iso type Unsaturated polyester Gel-coat resin.

### Uses

Orca Kote is ISO type Gel-coat Resin for the various colored FRP products.

### Distinguishing Characteristics

- Good Weather Resistance
- Good workability
- Good Glossy Surface
- Specific amount of UV absorbent is already included. The amount is available upon request.

#### Typical Properties:Liquid Resins \*1

Units	Spec		Remarks
Viscosity	Poise/25°C	29 – 31	#4, 60 rpm
Thixotropic Index	-	5.3 – 5.7	6/60 rpm
Gel-time	Min	4 - 6	MEKPO 1.0 phr at 25°C

#### Typical Properties: Cured Resin \*2

Units	Results		Remarks
Tensile Strength	MPa	86	ASTM D 638
Tensile Modulus	GPa	3.45	
Elongation	%	1.34	
Flexural Strength	MPa	128	ASTM D 790
Flexural Modulus	GPa	3.85	
Barcol Hardness	-	47	ASTM D 2583
Heat Distortion Temp.	°C	110	ASTM D 648

### SAFETY

See appropriate Material Safety Data Sheet for guidelines.

#### The term of guarantee

- 3 month
- Do not leave the Resin at the place of direct sunlight or heat.

#### Caution Rules at Hardening

- The Gel-time is a change working conditions (ex. temperature, humidity). Please adjust amount of hardener & promoter according to working conditions, before use.
- The hardener amount is appropriate 1% of resin for suitable hardening.
- As hardening can be delayed according to work temperature, you should use it in proper temperature.

#### Caution Rules at Use

- Keep it at the place that can cut off heat, light. Please pay attention to firearms.
- As a hardener can explode, Please keep it at the place that can avoid the heat, a shock, A direct sunlight.
- If hardener and promoter come directly in contact, they can explode. You should not keep together at all it.
- Put on gloves and a mask when you work.
- Ventilate a workplace at any time.
- After use, residual resin should seal. (Water, dust get into the resin or Styrene monomer evaporates, and the resin can be degenerated.)
- Styrene uses below 3percents in order to adjust viscosity.
- Please use the amount that use is possible only within work time.
- If the resin or a hardener get into worker's eyes, Please wash eyes immediately more than 15 minutes with running water and get from prescription of a doctor.

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