



Polyester Resin IK-6000

Product Name: IK-6000 amine accelerated unsaturated polyester resin.

Description: amine accelerated highly reactive unsaturated polyester resin with medium flexibility and air drying properties.

Properties and application: IK 6000 is pre accelerated with built in amine in its structure, high filler loading capacity, high reactivity and flexibility properties makes it ideal for use in the manufacturing of car body repair putties, knifing fillers and filling compounds which will readily harden even at low temperatures.

IK-6000 has proven success in many up based putties for use in car body repair properties are required.

Despite the amine content, the resin has outstanding storage stability.

In the putty formulations which IK-6000 is used as the sole binder, benzoyl peroxide type catalysts should be chosen for curing formulations.

Typical properties of liquid resin.

Property ^{*1}	Value
Acid Value	20 ± 5 mgr KOH/gr
Appearance	Clear liquid / Light yellow
Solid content	65 ± 3 %
Viscosity ^{*2}	300 - 350 cps
Specific gravity	1.05 - 1.1 gr/cm ³
Gel time ^{*3}	10 – 13 min
Time to Peak	18 – 20 min
Peak exotherm	85 ± 5 °C
Barcol Hardness	18 ± 2
Shelf life	6 Month

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*1 : Measurement was obtained under 25°C

*2 : LVT# 3-60 rpm (@) 25°C

*3 : Using 2% benzoyl peroxide catalyst paste over resin weight.

Notice in Use:

1. The gel time of IK6000 is affected primarily by catalyst concentration and temperature. The variation of cure characteristics may be caused by the variations of catalyst. Humidity pigment fillers and other additives it is recommended that the fabricators check the cure characteristic with a small quantity resin before proceeding for bulk production.
2. IK6000 contains organic solvent (styrene), keep away from heat sparks and flames.
3. IK6000 is a potentially reactive chemical please store it in dark and keep away from heat and direct sunshine.
4. Containers not completely emptied must be closed immediately after use.

PACKAGE:

Standard packing is 200 kg steel drum.