



Polyester Resin IK 6001

Technical Data Sheet

Product Name: IK-6001 amine accelerated unsaturated polyester.

Description: IK-6001 amine accelerated highly reactive unsaturated polyester resin with normal flexibility and air drying properties.

Properties and Application: IK-6001 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 harder even at low temperatures.

IK-6001 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-6001 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	30 ± 5 mgr KOH/gr
Appearance	Clear liquid/light yellow
Solid content	64 ± 3 %
Viscosity ^{*2}	350 - 400 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	20 ± 2
Shelf life	6 Month

*1 : measurement was obtained under 25^{0C}

*2 : LVT# 3-60 rpm (@) 25^{0C}

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



Notice in Use:

1. If IK6001 is blended with cobalt salt promoters shelf life will be shortened. promoted IK6001 must be used within three months.
2. The gel time of IK6001 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.
3. IK6001 contains organic solvent (styrene), keep away from heat sparks and flames.
4. IK6001 is a potentially reactive chemical please store it in dark and keep away from heat and direct sunshine.
5. Containers not completely emptied must be closed immediately after use.

PACKAGE:

Standard packing is 200 kg steel drum.