

Resanon 100 “Urethane grade”

Description

RESANON 100 is ketone resin based on cyclohexanone-formaldehyde. It is neutral, light in colour, and inert to saponification. RESANON 100 is soluble toluene, alcohols, ketones, acetates, glycols, chlorinated solvents whereas is not soluble aliphatic hydrocarbons, white spirit, mineral oils. RESANON 100 is nitrocellulose, ethylcellulose, cellulose acetate, hydrolyzed vinyl chloride/vinyl acetate resin, polyvinyl butyral, some short oil alkyds, several plasticizer whereas is partially compatible with chlorinated rubbers, polyamides. RESANON 100 is not subject to saponification and has good resistance to acid and alkalis.

CAS reg. n°: 25054-06-2

Data

Physical Apperance	Gritty white powder
Colour (Gardner scale 1963 - 50% toluene)	Max. 1
Softening point - Ball & Ring (°C)	98 - 110
Water content, (%)	Max. 0.4
Hydroxyl number, (mg _{KOH/g})	185 - 220
Acid value, (mg _{KOH/g})	Max. 0.5
Gel Time ASTM D2471-99 (min)	30 – 40

Uses

- react easily with mono and diisocyanates, this property is used for “PUR system”;
- isocyanates based adhesive system;
- nail varnishes;
- can improve the processibility in vinyl chloride copolymer systems;
- in the formulation of nitrocellulose finishes as its low viscosity helps a formulator to obtain thick films with good mechanical properties, hardness, adhesion, flexibility and gloss;
- flexografic inks and paper coating varnishes, ball pen inks, flexografic printing inks;
- its addition to paints based on chlorinated rubbers improves gloss and eliminates pinholes;
- is neutral, hence has great advantage over hard maleic resins in formulation of hammer finishes. Maleic resins with their acid value tend to react on storage with metallic pigments, reducing their brilliance and often altering pattern of the hammer finish;
- nitrocellulose lacquers, chlorinated rubber paints, hammer finishes.

Packing

- Three leaf paperkraft bags containing 25 Kg net on shrink-filmed pallets loading 1000 Kg net;
- Big-bags containing 500 Kg net on shrink-filmed pallets loading 1000 Kg net.

Safety

Resanon R100, is not been classified as a dangerous material.

Requirements

The information given is to the best of our knowledge true and accurate, but any recommendations or suggestions made are without guarantee, since the conditions of use are outside our control.

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