

## Technical Data Sheet

# Hydrocarbon Aliphatic C5 Resin Adhesives

### Specifications:

Type: XR-100A	Standard value
Color (Gardner)	≤5
Softening point °C	90-100 & 100-110
Acid Value (mg KOH/g)	≤5
Ash content %	< 0.1

Petroleum Resin C5 XR-100A is a kind of thermoplastic resin produced from C<sub>5</sub> fraction, by-products of petroleum cracking, through pretreatment, polymerization, and distillation, not a high polymer but a low polymer with the molecular weight between 300-3000, with a low acid value, well miscible, resistant to water, ethanol and chemicals. It is stable to acid or alkaline media, viscosity is stable with temperature

### Usage:

C5 petroleum resins C5 XR-100A are used for producing hot melt adhesives, pressure sensitive adhesives and in synthetic rubbers formulations etc.

Generally, it is not used alone, but together with other kinds of resins as accelerant, regulator and modifying agent

### Packaging Storage and Transportation:

- It is granules packed in 25kgs woven plastic bags.
- It must be stored in cool and dry area and keep away from heat and flame.

### Notice:

Pastilled (granules & flakes) forms of low to medium softening point resins may fuse, block, or lump under the following conditions:

- (1) during hot weather months.
- (2) if stored near steam pipes or other sources of heat.
- (3) upon prolonged storage.

Blocking or fusion of the product does not indicate any degradation in quality or performance.

Pastillated (granules & flakes) resins are prone to gradual oxidation, resulting in darkening or changes in the resin's solubility or compatibility in solvents and polymers. The rate of oxidation is contingent upon the type of resin. This resins are very oxidation resistant, but good manufacturing practice suggests that older stocks be used first. This resins have been stored for up to two years with no observable change in properties. For storage periods exceeding one years the material should be re-tested to verify compliance with product specifications, but there is no indication that these products cannot be stored for many years without affecting performance.

Katosan shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale

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All pastillated (granules & flakes) resins will form some fine dust during normal storage and handling and can form explosive dust-air mixtures. The material may accumulate a static charge which could provide an ignition source. Equipment used to process resins should be grounded to minimize the accumulation of static charge.

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