

## Technical Data Sheet

# Pentaerythritol Ester of Gum Rosin

### Specifications:

Type : KSPE	KSPE-100	KSPE-115
Softening Point (°C)	100±3	113-117
Ash (wt),	0.1%	
Color, gardner	2-4	≤6
Acid value max	20	20
density	1.06-1.09	
Solubility in Benzene (1:1)	Clear	Clear

Pentaerythritol Ester of Gum Rosin is a reaction product of Gum rosin and pentaerythritol, it features:

1. Light color.
2. Improve the adhesion of EVA adhesive greatly.
3. Good heat stability, the color change in 180°C for 8 hours less than 2.
4. Good solubility in various solvents.
5. It's compatible with NR, CR. SIS. EVA in any ratio

### Usage:

- Designed for hot-melt adhesive industry, with light color, high softening point, high viscosity, good heat stability,
- Hot-melt binder: EVA adhesive, book binding adhesive, woodworking adhesive, etc.
- Hot-melt coating.

### Packaging Storage and Transportation:

25kg woven bag, Stored in cool and dry place, avoid exposure to sun, fire and rain

### 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. but good manufacturing practice suggests that older stocks be used first. This resins have been stored for up to one years with no observable change in properties. For storage periods exceeding half 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.
- 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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