

Technical Data Sheet

Hydrogenated Ester Gum

Specifications:

Type: KS HEG7S or KS HEG7C	Standard value
Acidity (mg KOH/g)	3.0-9.0
Color (Gardner)	WG
Softening point (ring&ball methods)	75°C-85°C
Lead (ppm)	≤2
As (ppm)	≤2
Heavy metals (ppm)	≤10
Taste	Free of any bitter notes
Visual Test	Free of any foreign matters

It is made by esterification of hydrogenated gum rosin WW with food grade kosher glycerol.

It is a transparent glass solid bulk or granules with light yellow. It is more fragile, without any odor and taste, stable feature, dissolvable in benzene, ketone, esters, vegetable oil, orange oil and most of nature oils, unsolvable in water.

Usage:

- It is used as basic material of chewing gum, bubble gum
Also used as emulsification stabilizer for drinks, and tackifier for adhesives for cigarette filter

Packaging Storage and Transportation:

- Pack in drum with 200kg/drum, 240kg/drum, 250kg/drum and 25kg/drum
- Solid bulk Pack in box with 25kg/carton
- Granules pack in laminated kraft paper bags with 25kg/bag

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.

Pastilled (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 pastilled (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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