



## TECHNICAL DATA SHEET

### Glycerol Ester of Gum Rosin 90

#### Description

Glycerol Ester of Gum Rosin also popularly known as Ester Gum is a pale thermoplastic resin made from gum rosin and glycerol / glycerine. It is perfectly soluble in various types of polymers. It exhibits excellent adhesiveness such that it is widely used in the manufacture of various adhesives and primarily as a tackifier in hot melt adhesives (HMA). It has low odor and it is light in color.

#### Features:

- » It is easily dissolved in many types of solvents such as petroleum hydrocarbons, aromatics, ester, ketone, gasoline, benzene, acetic ether, acetone, turpentine and so on.
- » Cannot be dissolved in water and alcohol.
- » Can be widely used with many polymers such as NR, CR, SBR, EVA, SIS, SBS etc, and low molecular weight polyethylene, paraffin and microcrystalline waxes.

#### Specifications:

| Test Item                                 | Result |
|---|--------|
| Softening point (R&B, °C)                 | 90 ±3  |
| Acid number (mgKOH/g) max                 | 10     |
| Color (Gardner, 50% toluene solution) max | 3      |
| Solubility (with toluene 1:1)             | Clear  |

#### Applications:

- » Can be used with polymers such as EVA, SBS & SIS to make industrial grade hot melt adhesive, acrylic based adhesives and coatings etc.
- » Solvent based adhesives with SBR rubber, natural rubber and acrylic.
- » It can be polymerized with vegetable oils in the manufacture of phenolic paint.
- » Can be used as tackifier and binder for road marking paints.

#### Packaging:

- » In Pastille/Granules form, Packed in 25 Kgs/Bag Intertexture Kraft Paper Bags.

#### Storage:

- » Store in cool and dry place.