

FloraRez™ 440

TEG Ester of Hydrogenated Rosin

Description

FloraRez 440 is a light-colored, tacky, viscous liquid resin with excellent resistance to oxidation and discoloration. It is produced via esterification of partially hydrogenated gum rosin with triethylene glycol. It is a versatile, heat stable liquid tackifier useful in a wide variety of formulations.

Applications

- Plasticizing tackifier for hot melt and pressure sensitive adhesives
- Adds tack to adhesives formulated with high softening point resins
- Component in depilatory waxes and other personal care preparations
- Modifier of coatings, elastomers, and waxes

| Properties | Sales Specifications | Typical |
|-------------------------------|----------------------|---------|
| Color, Gardner, maximum | 8 | 5 |
| Acid Value, mg KOH/g, maximum | 10 | 6 |
| Viscosity @ 100°C, mPa.s | 75 – 90 | 83 |
| Density @25°C, kg/l | | 1.08 |

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FloraRez™ 440

| Packaging | Form | Net Weight |
|-------------------|--------|------------|
| Drum, lined steel | Liquid | 200 kg |

Storage and Handling

Store inside or under roof in original packaging. Keep dry. Avoid freezing and excessive heat.

Features and Benefits

- Natural, renewable
- Resistant to oxidation
- Pale color
- Emulsifiable
- Liquid, tacky
- Low odor
- Hydrogenated
- Wide compatibility

| Compatible with | Soluble in |
|--|---|
| Other harder hydrogenated rosin resins; natural and synthetic rubbers; chlorinated rubber; nitrocellulose; ethylcellulose; waxes; plasticizers; film formers | Esters; ketones; higher alcohols; glycol ethers; and aliphatic, aromatic, and chlorinated hydrocarbons. Insoluble in ethanol and water. |
| Regulatory/Classifications | |
| CAS Number | 68648-53-3 |
| DOT Shipping Classification | Not Regulated |
| Harmonized Tariff Code | 380690 |
| INCI (International Nomenclature of Cosmetic Ingredients) | Triethylene Glycol Hydrogenated Rosinate |
| US FDA | 21 CFR 175.105 21 CFR 176.210 21 CFR 177.2600 |

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