

FloraRez™ DR140

Polymerized Rosin

Description

FloraRez DR140 polymerized rosin is produced by partial dimerization of gum rosin. This catalytic polymerization processing results in a high dimeric acid content and very high softening point while maintaining the acid functionality of rosin. This resin is pale, thermoplastic, and crystallization-resistant, and is less prone to oxidation than unmodified rosin. The high acid functionality promotes specific adhesion to a variety of substrates.

Applications

- Hot melt adhesives for packaging, product assembly, flooring, and construction
- High acid value reactant in numerous applications
- Pressure sensitive adhesives
- Caulks and sealants
- Inks, varnishes, coatings, lacquers
- Solder fluxes

| Properties | Sales Specifications | Typical |
|-------------------------------|----------------------|---------|
| Color, Gardner, maximum | 10 | 8 |
| Acid Value, mg KOH/g, minimum | 140 | 146 |
| Softening Point, R&B, °C | 135 - 145 | 140 |
| Density @25°C, kg/l | | 1.08 |

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FloraRez™ DR140

| Packaging | Form | Net Weight |
|----------------------------|-----------|------------|
| Bag, multiwall kraft paper | Pastilles | 25 kg |
| Drum, light gauge steel | Solid | 225 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
- Thermoplastic
- Acid functionality
- Non-crystallizing
- Wide compatibility
- High softening point

Compatible with

Ethylcellulose, natural and synthetic rubbers and film-formers, polychloroprene, drying oils, alkyd resins, shellac, low molecular weight polyethylene, paraffin and microcrystalline waxes

Soluble in

Higher molecular weight alcohols, esters, ketones, hydrocarbons, and chlorinated solvents. Insoluble in methanol, ethanol, isopropanol and water.

Regulatory/Classifications

| | |
|---|--|
| CAS Number | 65997-05-9 |
| DOT Shipping Classification | Not Regulated |
| Harmonized Tariff Code | 380690 |
| INCI (International Nomenclature of Cosmetic Ingredients) | Polymerized Rosin; Dimer Rosin |
| US FDA | 21 CFR 175.105 21 CFR 175.125 21 CFR 175.300 21 CFR 175.320 21 CFR 175.380 21 CFR 175.390 21 CFR 176.170 21 CFR 176.180 21 CFR 176.200 21 CFR 176.210 21 CFR 177.1200 21 CFR 177.1210 21 CFR 177.1400 21 CFR 177.2600 21 CFR 178.3120 21 CFR 178.3800 21 CFR 178.3850 21 CFR 178.3870 |

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