

FloraRez™ DR105

Polymerized Rosin

Description

FloraRez DR105 polymerized rosin is produced by partial dimerization of gum rosin. This catalytic polymerization processing results in an elevated 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
- Depilatory waxes

Properties	Sales Specifications	Typical
Color, Gardner, maximum	9	7
Acid Value, mg KOH/g, minimum	150	158
Softening Point, R&B, °C	100 - 110	105
Density @25°C, kg/l		1.07

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Revision June 2016 Page 1 of 2

FloraRez™ DR105

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

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