

FloraRez® PR

Partially Hydrogenated Rosin

Description

FloraRez PR is gum rosin that has been partially hydrogenated. It is a pale colored resin that has excellent thermal and oxidative stability characteristics due to the hydrogenation process. Compared to unmodified gum, wood, and tall oil rosins, it offers a higher degree of color and solubility stability for its derivative products produced.

Applications

- Tackifier and formulation component in adhesives and sealants
- Heat stable high acid value reactant in numerous applications
- Plasticizer in hot melt coatings
- Rubber and plastic modification
- Soldering flux
- Wax modifier of paper coatings

Properties	Sales Specifications	Typical
Color, Gardner, maximum	6	4
Acid Value, mg KOH/g, minimum	150	166
Softening Point, R&B, °C, minimum	68	79
Abietic Acid Content, %		< 3
Density @25°C, kg/l		1.08

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FloraRez® PR

Packaging	Form	Net Weight
Bag, kraft lined	Granules	22.5 kg

Storage and Handling

Preferred storage inside or under roof. Keep out of standing water. Avoid freezing and excessive heat. We request our customers to test our products before using them on industrial scale. Due to the thermoplastic behavior, pastillated and flaked resins may fuse, block or lump. This can be accelerated under any of the following conditions: 1) above 25°C temperature 2) prolonged storage 3) pressure, e.g., stacking pallets, or a combination of these conditions. This is particularly applicable for low softening point resin grades. In order to maintain the flake or pastille shape, we therefore recommend storing the material in a temperature-controlled area; be careful with stacking material or applying pressure and preventing prolonged storage. It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted. Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. The user of our products bears the responsibility of determining their suitability for a particular application or formulation or determining that the products or their use do not infringe any intellectual property. We do not assume any responsibility or warranty, expressed or implied, resulting from handling, usage and storage whether performed according to the instructions contained in this document, whether used alone or in combination with other products. The buyer assumes all responsibility and liability for loss or damage arising from the handling and use of our products, either alone or in combination with other products.

Features and Benefits

- Natural, renewable
- Resistant to oxidation
- Pale color
- Thermoplastic
- Acid functionality
- Low odor
- Hydrogenated
- Wide compatibility

Compatible with	Soluble in
Wide range of waxes, rubber, elastomers, thermoplastic polymers and copolymers, drying and non-drying alkyds	Alcohols, esters, ketones, hydrocarbons, chlorinated solvents

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Regulatory/Classifications		
CAS Number	65997-06-0	
DOT Shipping Classification	Not Regulated	
Harmonized Tariff Code	380610	
INCI (International Nomenclature of Cosmetic Ingredients)	Hydrogenated Rosin	
US FDA	21 CFR 172.210 21 CFR 175.105 21 CFR 175.125 21 CFR 175.300 21 CFR 175.320 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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