

# FloraRez™ HR

Highly Hydrogenated Rosin

## Description

FloraRez HR is gum rosin that has been hydrogenated to a high degree. It is a nearly colorless thermoplastic 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 the highest degree of color and solubility stability for its derivative products produced.

## Applications

- Tackifier and modifier in adhesives and sealants
- Heat stable high acid value reactant in numerous applications
- Component in hot melt and solvent-based coatings
- Rubber and plastic modification
- Wax modifier

Properties	Sales Specifications	Typical
Color, Gardner, maximum	2	1
Acid Value, mg KOH/g, minimum	164	171
Softening Point, R&B, °C, minimum	76	79
Abietic Acid Content, %		< 1
Dehydroabietic Acid Content, %		< 10
Tetrahydro Resin Acid Content, %		> 30
Density @25°C, kg/l		1.08

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Packaging	Form	Net Weight
Drum, light gauge steel	Solid	225 kg

## Storage and Handling

Preferred storage inside or under roof. Keep out of standing water. Avoid freezing and excessive heat.

## Features and Benefits

- Natural, renewable
- Resistant to oxidation
- Nearly colorless
- Thermoplastic
- Acid functionality
- Low odor
- Highly 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
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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