

FloraRez™ 100H

Pentaerythritol Ester of Hydrogenated Rosin

Description

FloraRez 100H is a pentaerythritol ester of gum rosin that has been stabilized by hydrogenation. It is a hard, very light pale colored thermoplastic resin that has excellent thermal and oxidative stability characteristics over other standard PE rosin esters. It finds use in applications requiring an extremely demanding non-oxidizing and color stable resin.

Applications

- Adhesives: pressure sensitive, hot melt, solvent, and emulsion
- Sealants and caulks
- Wax modification
- Rubber compounding and plastics modification
- Thermal and aging-stable tackifiers

Properties	Sales Specifications	Typical
Color, Gardner	4 – 6	5
Acid Value, mg KOH/g, maximum	20	14
Softening Point, Ring & Ball, °C	92 – 102	100
Density @25°C, kg/l		1.07

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FloraRez™ 100H

Packaging	Form	Net Weight
Bag, multiwall kraft paper	Pastilles	25 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
- Low odor
- Hydrogenated
- Wide compatibility
- Hard, free flowing

Compatible with	Soluble in
Natural and synthetic rubber; ethylcellulose; chlorinated rubber; SIS and SBS block copolymers; EVA; neoprene latex; acrylic resins; waxes; plasticizers	Esters; ketones; higher alcohols; glycol ethers; and aliphatic, aromatic, and chlorinated hydrocarbons. Insoluble in ethanol and water.

Regulatory/Classifications	
CAS Number	64365-17-9
DOT Shipping Classification	Not Regulated
Harmonized Tariff Code	380690
INCI (International Nomenclature of Cosmetic Ingredients)	Pentaerythritol Hydrogenated Rosinate
US FDA	21 CFR 175.105 21 CFR 175.125 21 CFR 175.300 21 CFR 175.320 21 CFR 175.390 21 CFR 176.200 21 CFR 176.210 21 CFR 177.1210 21 CFR 177.2600

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