



Pentaerythritol Rosin Ester

PTRNESTAC 700

Pentaerythritol Rosin Ester (PTRNESTAC 700) is a light-colored pentaerythritol rosin ester of stabilized gum rosin by hydrogenation. It is manufactured to be used as a tackifier in adhesives industry. It provides excellent heat and aging stability, improved resistance to oxidation, polymer compatibility, good skinning resistance and better retention of color. It is recommended for use in Ethylene Vinyl Acetate (EVA) hot melt adhesives, pressure sensitive adhesives, as well as rubber compounding, sealants, coatings and other applications.

Characteristics

Excellent tack.
Excellent thermal resistance.
Good compatibility with wax.
Good compatibility with EVA polymers.
Excellent internal cohesion.
Excellent resistance oxidation due to low Abietic Acid contents.

Typical Properties

Acid Value (mg KOH/g)	10-20
Softening Point (Ring & Ball, °C)	95-105
Color, Gardner, <=	5

Soluble in: aromatic and aliphatic hydrocarbon solvents (petroleum benzene, mineral spirit, benzene, ethyl acetate, acetone), esters, ketones and chlorinated solvents.

Insoluble in: alcohol and water.

Forms/Packaging

Flaked or pellet, 25kg net sacks.

FDA Status

Meets the requirements of the Code of Federal Regulations, Title 21, under the following section:

175.105, 175.300 Adhesives.

Storage

More than six months storage should be avoided due to the potential effect on performance.

Country of Origin

People's Republic of China.