

## PINEREX™ 2493 E

**PINEREX™ 2493 E** is a stabilized pentaerythritol ester of tall oil rosin.

The light colored tackifier resin is modified to exhibit good stability against oxidation, heat aging and ultra violet light.

### Application

**PINEREX™ 2493 E** is used primarily as a tackifier resin to boost peel and tack properties in a wide range of adhesives. It is formulated in hot melt adhesives for packaging, woodworking and pressure sensitive adhesives.

- ▲ **Compatible with a range of polymers including EVA, SIS, SBS and natural rubber.**

▲ **Balance of cohesion, peel and tack performance.**
- ▲ **Light color**

▲ **Good color and viscosity stability**

▲ **Low odor**

### Typical properties

Property	Value	Unit	Test Method
Softening Point	95	°C	Ring and Ball
Mettler Softening Point	103	°C	Mettler Laboratory Equipment
Color	4	Gardner	50% in Toluene
Acid Value	13	mgKOH/g	Titration
<b>Sustainability</b>			
Bio-Renewable Content	90	%	Mass ratio
Carbon Footprint	-1.5	KgCO <sub>2</sub> /Kg product	ISO 14040 Cradle to Gate

Updated January 1<sup>st</sup> 2025 by NPH

### Packaging

**PINEREX™ 2493 E** can be available as pastilles in bags or as molten in heated tank wagon.

### Shelf life and storage conditions

Shelf life of the product for pastilles is 9 months.

Due to the thermoplastic nature of the product, to prevent pastilles remassing and fusing together, it is recommended to store in a temperature controlled area <25°C and avoid direct sunlight.

Do not stack pallets and prevent prolonged storage.

Remassing does not affect the specification of the product, and if it can be readily broken this is not a basis for rejection.

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