



Pensel GA-90R

11/1/2002

1. Introduction

Rosin Ester is approved by federal regulations 21 CFR 175.105 (Adhesive) and 175.300 (Resinous and polymeric coating), but these regulations do not approve some widely-used antioxidants and additives. Therefore, some commercialized Rosin Esters do not meet these regulations. **Arakawa has developed regulation-approved Pensel GA-90R under 21 CFR 175.105 and 175.300.**

2. Chemical description

Pensel GA-90R is a glycerol ester of Rosin resin.

3. Main application

Tackifier resins for various kinds of adhesives and sealants etc.

Pressure sensitive adhesives (Tape, Label)

Hot melt adhesives

4. Specifications

Grade	Color(Gardner)	Acid value (mg KOH/ g)	Softening point ()
Pensel GA-90R	max. 8	max. 10	87 – 93

5. Regulations

CAS number: 8050-31-5, TSCA: Existing

FDA: 21 CFR 175.105 (Adhesive), 21 CFR 175.300 (Resinous and polymer coatings)

6. Characteristics

Besides good compatibility and tackifier properties, it has superior adhesion properties, especially at high temperature.

7. Packing

25 kgs (=55lbs) net in paper bag

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