

Technical Data Sheet

Pamolyn™ 327B Fatty Acid

Applications

- Adhesives/sealants-b&c
- Commerical printing inks
- Paints & coatings
- Polymer modification
- Protective coatings

Key Attributes

- Direct replacement for dehydrated castor oil in short to medium oil alkyds
- Exhibits excellent color retention on baking and overbaking

Product Description

Pamolyn™ 327B fatty acid is designed to be a direct replacement for G-H viscosity dehydrated castor oil in short to medium oil alkyds and copolymer alkyd resins. Alkyd resin vehicles based on Pamolyn™ 327B fatty acid retain the pale initial color of the fatty acid, and enamels made from them exhibit excellent color retention on baking and overbaking.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Acid Number		192
Fatty Acids		95 %
Rosin Acids		1.4 %
Unsaponifiabiles		2.3 %
Color, Gardner		4.5
Color		
after heat test	D 1981-61	5.5
Iodine Number		154
Saponification Number		196
Titer		-12 °C
Specific Gravity		
@ 25°C		0.90 kg/L (7.54 lb/gal)
Fatty Acid Composition		
C16:0	GC	0.2 %
C18:0		0.1 %
C18:1		20 %
C18:2		75 %
C18:3		3.3 %
Conjugated Linoleic Acid	GC	27 %
Fatty Acid dimer		10 %

Packaging

Tank cars: Aluminum, Kanigen- and resin-lined cars. Drums : 55-gal (208-1), DOT-17E-type, nonreturnable lined steel drums. Net contents 410 lbs (186 kg).

Storage

Do not store in carbon steel containers since fatty acids will react and discolor. Inside storage and "first in first out" inventory control is recommended. Storage at temperatures above 30°C should be avoided. Fatty acids are

susceptible to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the product in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. Material will remain within product specification limits for a period of at least twelve months after shipment from Eastman's production facilities, provided recommended storage conditions are observed. However, as neither the processing conditions for the product, nor the end use applications for which it is used can be anticipated and extreme conditions can affect the product quality, it is recommended that the material be tested upon receipt.

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