

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.

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

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: [Adhesive.Technologies@Synthomer.com](mailto:Adhesive.Technologies@Synthomer.com)

Property	Typical Value	Unit	Method <sup>1</sup>
Acid Number	192	mg KOH/g	CA-050, Internal based on ASTM D465
Fatty Acids	97	%	CQ-008, Internal based on ASTM D1585
Rosin Acids	1.5	%	CA-046, Internal based on ASTM D1240
Unsaponifiabiles	1.5	%	CA-052, Internal based on ASTM D1065
Color, Gardner	4 neat		AC-100 / ASTM D6166
Titer	-12	°C	CS-034, Internal based on ASTM D1982
Specific Gravity at 25°C	0.90	kg/L	
Specific Gravity at 25°C	7.54	lb/gal	
Molecular distillate residue (Fatty acid dimer)	10	%	internal NV-020
Conjugated Acids (incl. C18:2 linoleic)	27	%	GC-016
Palmitic Acid (C16:0)	0.3	%	GC-016
Stearic Acid (C18:0)	nil	%	GC-016
Oleic Acid (C18:1)	20	%	GC-016
Polyunsaturated Acids, Total (TPU: C18:2, C18:3, etc.)	79	%	GC-016

<sup>1</sup> internal method based upon the specified norm

## Applications

Caulks and Sealants, Graphic inks, Other coatings, Plastic Modification, Adhesives

## Packaging

Synthomer provides PAMOLYN™ 327B Fatty Acid directly in tank truck or lined tank cars. Contact your Synthomer representative for information about smaller quantities through our distributor network.

## 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

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oldest material is used first. Material will remain within product Sales Specification limits for a period of at least twelve months after shipment from Synthomer 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.