

PAMOLYN™ 100 Oleic Acid is an exceptionally high purity grade of oleic acid derived wholly from a tall oil fatty acid source. It is a low odor, essentially water white, low titer, oily liquid.

PAMOLYN™ 100 Oleic Acid is a unique commercial fatty acid in that it contains, typically, 88% oleic acid, all of which is in the naturally occurring cis-isomer form. Because PAMOLYN™ 100 Oleic Acid contains only a low percentage of polyunsaturated acids, it has excellent oxidation resistance and color stability. Saturated fatty acids and unsaponifiables in PAMOLYN™ 100 Oleic Acid are also outstandingly low. PAMOLYN™ 100 is used in numerous cosmetic and personal care applications, functioning as an emulsifier or surfactant.

- Excellent color stability
- Exceptionally high purity
- Low odor level & uniform fatty acid composition
- Low saturated acids and unsaponifiables content
- Water-white initial color

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

Property	Typical Value	Unit	Method ¹
Acid Number	193	mg KOH/1g	CA-050, Internal based on ASTM D465
Fatty Acids	99	%	CQ-008, Internal based on ASTM D1585
Rosin Acids	nil	%	CA-046, Internal based on ASTM D1240
Unsaponifiables	0.3	%	CA-052, Internal based on ASTM D1065
Water	0.2	%	CA-049, Coulometer
Color, Gardner	1	neat	AC-100 / ASTM D6166
Iodine Number	90	cg I/g sample	CA-048, Wijs
Saponification Number	197	mg KOH/g	CA-045, Internal based on ASTM D464
Titer	11	°C	CS-034, Internal based on ASTM D1982
Specific Gravity @ 25°C	7.40	lb/gal	
Conjugated Acids (incl. C18:2 linoleic)	1.3	%	GC-016
Palmitic Acid (C16:0)	0.2	%	GC-016
Stearic Acid (C18:0)	2.4	%	GC-016
Polyunsaturated Acids, Total (TPU: C18:2, C18:3, etc.)	10	%	GC-016
Oleic Acid (C18:1)	88	%	GC-016
Specific Gravity @ 25°C	0.888	kg/L	

¹ internal method based upon the specified norm

Applications

Adhesives, Caulks and Sealants, Plastic Modification, Other coatings

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Packaging

Synthomer provides PAMOLYN™ 100 Oleic 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 oldest material is used first. Material will remain within product specification limits for a period of at least twelve months after shipment from Synthomer'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.