TECHNICAL DATA SHEET

PAMOLYN™ 150 Fatty Acid

PAMOLYN™ 150 fatty acid is a commercial grade fatty acid derived wholly from a tall oil fatty acid source. It is a low odor, pale, color stable, low titer, oily liquid. Compared with commercial grades from other vegetable or animal sources, PAMOLYN™ 150 fatty acid is high in oleic acid and low in saturated acid content. Unlike tallow source oleic acids, it is essentially free of lower molecular weight acids. All fatty acids in PAMOLYN™ 150 fatty acid are of C18 origin. PAMOLYN™ 150 fatty acid is designed for a broad range of applications. Typical uses, when it is converted to soaps, sulfonated products, and other derivatives, include: textile processing aids, automotive additives and mold lubricants, agents for production of synthetic rubber, surfactants for a variety of other uses, and flotation reagents.

- Color stability
- High oleic acid content
- Low odor level & uniform fatty acid composition
- Low saturated acids and unsaponifiables content
- Low titer
- Pale 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	195	mg KOH/g	CA-050, Internal based on ASTM D465
Fatty Acids	99.3	%	CQ-008, Internal based on ASTM D1585
Rosin Acids	0.3	%	CA-046, Internal based on ASTM D1240
Unsaponifiables	0.4	%	CA-052, Internal based on ASTM D1065
Color, Gardner	0.9	neat	AC-100/ASTMD61 66
Color (after heat test)	1.3	neat	AC-100 / ASTM D6166
Iodine Value	93	cg I/g sample	CA-048, Wijs
Titer	11	°C	CS-034, Internal based on ASTM D1982
Specific Gravity @ 25°C	0.89	kg/L	CS-034, Internal based on ASTM D1982
Specific Gravity @ 25°C	7.44	lb/gal	
Saturated Acids, Total	3	%	GC-016
Conjugated Acids (incl. C18:2 linoleic)	2.4	%	GC-016
Palmitic Acid (C16:0)	0.3	%	GC-016
Stearic Acid (C18:0)	2.4	%	GC-016
Oleic Acid (C18:1)	77	%	GC-016
Polyunsaturated Acids, Total (TPU: C18:2, C18:3, etc.)	20	%	GC-016

[1] internal method based upon the specified norm

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

Packaging
Synthomer provides PAMOLYN™ 150 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 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.