

UNIDYME™ 18 Dimer Acid

PRODUCT DATA SHEET

UNIDYME 18 Dimer Acid is a fluid, long chain (C-36) dimerized fatty acid with a low monomer content.

FEATURES

- Long chain fluid
- High molecular weight dibasic acid
- 100% Bio-based reactant

APPLICATIONS

- Ink Polyamides
- Curing Agents
- Hot Melt Polyamides for Adhesives
- Synthetic Lubricants
- Corrosion Inhibitors
- Alkyd Resins

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	190 - 196	192
Color, Gardner	AQCM 002C	7 Maximum	6
Monomer Acids by GC, %	AQCM 126	2.0 Maximum	1.5
Dimer Acids by GC, %	AQCM 126	79 – 85	82
Polymer Acids by GC, %	AQCM 126	15 - 19	17
Moisture, %	AQCM 008	0.25 Maximum	0.1
Fe, ppm	AQCM 198	1 Maximum	0.1
P, ppm	AQCM 198	25 Maximum	3

*Kraton test methods are available upon request

SOLUBILITY	UNIDYME 18 Dimer Acid is soluble in alcohols, aromatics, esters and ketones and insoluble in water.
COMPATIBILITY	UNIDYME 18 Dimer Acid is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	UNIDYME 18 Dimer Acid is delivered as a liquid in totes, tank trucks, tank cars (subject to availability), or 410 lb. steel drums.
STORAGE RECOMMENDATION	UNIDYME 18 Dimer Acid has a shelf life of 1 year from the date of manufacture when stored properly, cool and dry in sealed containers. The product must be retested after longer storage to ensure the properties are within specification limits. Since color changes of >2 Gardner units can be seen over time due to oxygen or heat exposure, testing of product in applications sensitive to color is recommended prior to use.

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