



# Product Data Sheet

Revision Date: 08/09

## UNIDYME<sup>®</sup> M35

### Dimer Acid

**UNIDYME<sup>®</sup> M35** is dimerized fatty acid produced by selective reaction of high-quality tall oil fatty acid distillates mainly composed of C36 dicarboxylic and C54 tricarboxylic acids. The carboxyl groups and double-bond unsaturation of UNIDYME M35 undergo many chemical reactions to form a wide variety of chemical intermediates. The most common reactions of the carboxyl group are amidation, esterification, reduction, saponification, ethoxylation and acid chloride formation. The common reactions on the double bond are epoxidation, hydrogenation, sulfation, sulfonation, sulfurization and halogenation.

PROPERTIES	TYPICAL	SPECIFICATIONS
Color, Gardner, 1963	5-	8 Maximum
Acid Number	184 – 186	180 Minimum
Unsaponifiabiles, %	< 1	
Ash, ppm	< 30	
Phosphorous, ppm	< 30	
Fatty Acid composition <sup>(1)</sup> :		
Dimer Acid %	55	
Trimer Acid, %	11	
Monomer Acid, %	34	
Specific Gravity, 25 <sup>o</sup> /25 <sup>o</sup> C	0.92	
Weight Per Gallon, 25 <sup>o</sup> C, lb	7.7	
Viscosity, centistokes at 25 °C	1,100	
Flash Point, Open Cup °C (°F)	> 260 (> 500)	

<b>AVAILABLE FORMS/PACKAGING:</b>	<ul style="list-style-type: none"> <li>Available in tank cars, tank trucks, and lined, closed head drums, net 410 pounds</li> </ul>
<b>SHIPPING POINT:</b>	<ul style="list-style-type: none"> <li>Dover, Ohio</li> </ul>
<b>SAFETY INFORMATION:</b>	<ul style="list-style-type: none"> <li>Please refer to Material Safety Data Sheet</li> </ul>

<sup>(1)</sup> Arizona Chemical Test Method AQCM-126



**Technical Service: Savannah, GA (912) 238-6556**  
**Sales Service: Jacksonville, FL - (800) 733-1374**

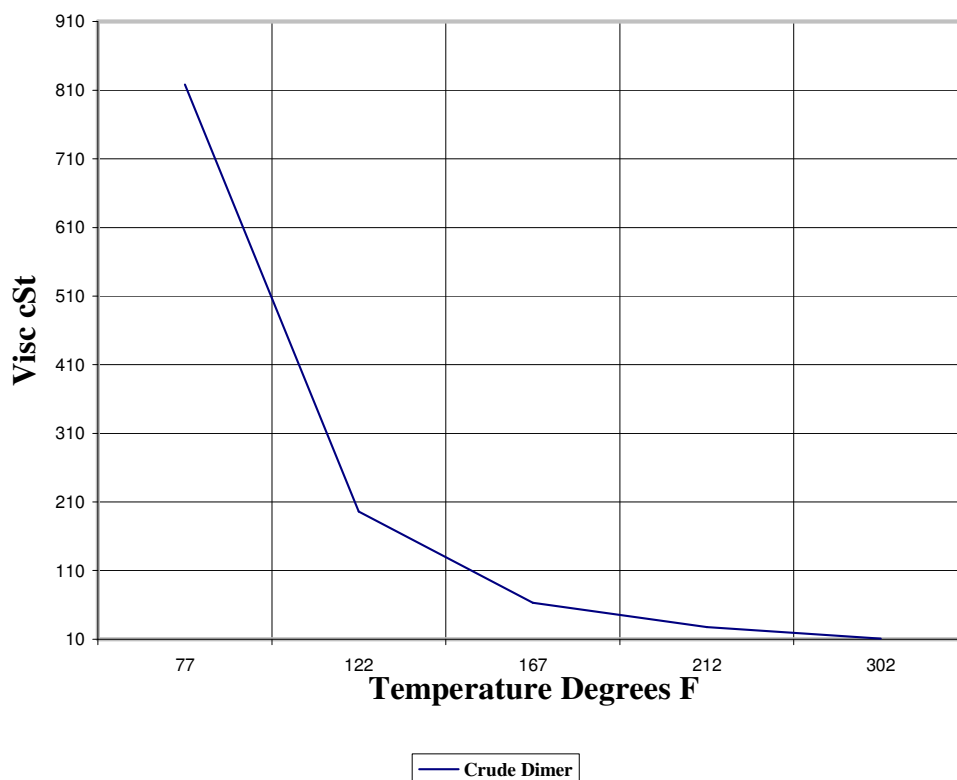
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## Typical Crude Dimer Visc Curve



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