SynPlicity™ 1000

Bio-based Plasticizer

Key Characteristics

Product Description

SynPlicity™ 1000 is a bio-derived (94% bio-based content), highly efficient, non-phthalate plasticizer which provides an excellent balance of performance and durability for nail polish applications.

Technical Properties[1]

Typical Properties

PROPERTY	TEST METHOD	NOMINAL VALUE	UNIT
Specific Gravity[2]	ASTM D891	0.950-0.956	
Acid Number	AOCS Cd 3d-63	< 1.00	mg KOH/g
Appearance	ASTM D2090	Clear	
Color[3]	ASTM D1209	< 100	
Molecular Weight – Theoretical, approximate		316	
Oxirane Content	AOCS Cd 9-57	> 6.4	wt%
Water Content	ASTM E1064	< 0.15	wt%

Notes

[1] Typical properties: these are not to be construed as specifications.
[2] 25/25°C
[3] Pt-Co Scale

General Information

Generic Name	• Bio-based Plasticizer	
Material Status	• Commercial: Active	
Features	• High Solvating	• Renewable Resource Content
	• Non-Phthalate Plasticizer	• Low Odor
	• Film former	
Form	• Liquid	

Availability

SynPlicity™ 1000 is available in North America.

CONTACT INFORMATION

For additional information, please contact PolyOne Designed Structures and Solutions at (888)721-4242 or visit our web site at www.polyone.com.