

Synolite™ 0317-N-0

Low viscous, monomer free unsaturated polyester resin for making Pigment paste

Synolite™ 0317-N-0 is a monomer free unsaturated polyester resin that features a low viscosity and excellent wetting properties, allowing for high pigment loadings.

The resin is commonly used for making pigment paste.

Benefits

- High pigment loading through low viscosity
- Great compatibility with multiple polyester resin types
- Low inherent color

AOC Next® Product



Synolite™ 0317-N-0 is a styrene-free resin. For that reason it has received the AOC Next® Eco-label for Sustainable Products and Solutions.

Major Applications

Synolite™ 0317-N-0 has a proprietary resin composition and is especially developed for the use as carrier resin for color pigments and magnesium oxide. Its low viscosity combined with excellent wetting properties allows high pigment loadings.

Synolite™ 0317-N-0 is completely compatible with different types of unsaturated polyester resins.

Product Specifications

Property	Value	Unit	TM
Appearance	clear		TM 2265
Color Lico APHA	0 - 100	APHA	TM 2017
Viscosity 23 °C, 100 s ⁻¹	140 - 170	mPa.s	TM 2013
Gel time 82 °C	7 - 11	min	TM 2253
Peak time	17 - 24	min	TM 2253
Peak temperature	100 - 128	°C	TM 2253
Water content	0,12 - 0,15	%	TM 2350

Viscosity measurement: Z2/100 s⁻¹/23°C

Reactivity measurement conditions: 70 g resin + 30 g styrene + 2.0 g 50% BPO peroxide

Liquid

Property	Value	Unit	TM
Density 23 °C	1150	kg/m ³	TM 2160
Stability (no initiator, dark, 25°C)	12	month	

Storage Guidelines

The resin should be stored indoors in a dry place at temperature tight and undamaged packaging.

The properties of the resin may change slightly during storage.

Material Safety

A Safety Data Sheet (SDS) of this product is available on request.

Test Methods

Test methods (TM) referred to in the table(s) are available on request.

ISO 9001:2015 Certified

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2015 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers.

AOC. Trusted Solutions

AOC is the leading global supplier of resins and specialty materials which enable customers to create robust, durable and versatile products and components. With strong capabilities around the world in manufacturing and science, the company works closely with customers to deliver unrivaled quality, service and reliability for today, and create innovative solutions for tomorrow. Partner with AOC and we will work together to find the right solutions for your business.

Contact us for more information

We will help you to choose the right resin solution.

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