

Synolite™ 7044-M-1

Polymeric amine resin for Putty applications

Synolite™ 7044-M-1 is a polymeric amine resin, used for the manufacturing of putties and formulated resin systems.

Benefits

- Fast and tack free curing of putty formulations
- Excellent storage stability
- Prevents staining of coated car repair putties, because of minimal leach out polymeric amine
- Excellent performance track record

Major Applications

Synolite™ 7044-M-1 is recommended as accelerator for benzoyl peroxide (BPO), especially in unsaturated polyester resins for car body filler paste compositions, marble putties, wood putties, chemical anchoring systems, and cold-press techniques.

In addition, Synolite™ 7044-M-1 is applied as a promoter in a ketone peroxide/ Cobalt accelerator cure system in unsaturated polyester resins for hand lay-up and spray-up, polymer concrete, and resin transfer moulding.

Synolite™ 7044-M-1 is a non-toxic alternative for aromatic tertiary amines like N,N-Dimethyl aniline and N,N-Dimethyl aniline. Synolite™ 7044-M-1 gives rapid hardening of Unsaturated Polyester resins, with efficient curing also at longer gel times. In car body filler pastes, excellent storage stability is combined with fast and tack free curing.

Synolite™ 7044-M-1 accelerator does not leach amines from cured UP resins, which prevents staining of coated car repair putties.

Product Specifications

Property	Value	Unit	TM
Appearance	Clear		TM 2265
Color Lico Gardner	0 - 11	G	TM 2017
Solids content	52 - 55	%	TM 2033
Viscosity 23 °C, 100 s ⁻¹	595 - 805	mPa.s	TM 2013

Liquid			
Property	Value	Unit	TM
Flash point	33	°C	TM 2800
Stability (Solid, dark, 25 °C)	3	month	

Application Guidelines

Synolite™ 7044-M-1 is applied as accelerator for BPO and as promoter for ketoneperoxide/ Cobalt accelerator cure system. Never bring peroxide in direct contact with this accelerator.

Before use, the resin should be conditioned at a well-defined, application dependent temperature (usually 15°C minimum for a MEKP/ Cobalt cure). Stir the product before blending.

Storage Guidelines

The resin should be stored indoors in the original, unopened and undamaged packaging, in a dry place at temperatures between 5°C and 30°C and the properties might change during storage. Shelf life is reduced at higher temperatures and the properties of the resin might change during storage.

The shelf life of monomer containing unsaturated polyesters will be significantly reduced when exposed to light. Store in dark and in 100% light tight containers only.

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.

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Contact us for more information

We will help you choose the right resin solution.

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