Synolite 1066-P-1

DSM

Product Data Sheet

a DSMProduct

Chemical/physical nature

Synolite 1066-P-1 is a pre-accelerated, thixotropic, unsaturated polyester resin which cures tack-free.

Major applications

It is ideal for general industrial mouldings that do not require conformance to any specification for physical, weathering or environmental properties.

Product specifications

Property	Range	Unit	TM
Viscosity, $20s^{-1}$	330 - 450	mPa.s	2313
Viscosity, $250s^{-1}$	225 - 305	mPa.s	2313
Thixotropic index, 23°C $20/250s^{-1}$	1.2 - 1.6	-	2313
Appearance	Hazy	-	2265
Reactivity, gel time	15.3 - 20.7	Minutes	2625
Peak time	21.5 - 30.5	Minutes	2625
Peak temperature	100 - 140	°C	2625
Stability	75 minimum	Minutes	2300C

Remarks:
TM 2313: 23C, spindle Z2
TM 2625: 25°C, 1% Butanox M50 by weight.

Properties of the liquid resin (typical values)

Property	Value	Unit	TM
Flash point	Approx. 33	°C	2800
Stability, no init., dark, 20°C	6	Mon	-

Guidelines for use

Before use the resin should be conditioned at 15°C, minimum. Stir the product before use.

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 25°C. Shelf life is reduced at higher temperatures and the properties of the resin may change during storage. The shelf life of styrene containing unsaturated polyesters will be significantly reduced when exposed to light. Store in the dark and in 100% light tight containers only.

Material Safety

A Material Safety Data Sheet 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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