

## Product data

## Synolite 1066-P-1

**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**

Specification	Range	Unit	TM
Appearance	hazy	-	2265
Stability at 120°C	min. 75	Min	2300C
Viscosity, Physica, 2 s-1, 23°C	675 - 915	mPa.s	2313
Viscosity, Physica, 20 s-1, 23°C	330 - 450	mPa.s	2313
Viscosity, Physica, 250 s-1, 23°C	225 - 305	mPa.s	2313
Thix index value (optionally)	1.75 - 2.35	-	2313
Gel time from 25 to 35°C	15.3 - 20.7	minutes	2625
Cure time from 25°C to peak	22.5 - 30.5	minutes	2625
Peak temperature	113 - 138	°C	2625
Time to tack free surface	6.0	HR	4572
Time to barcol 10 minimum	6.0	HR	4572
Time to barcol 25 minimum	24.0	HR	4572

**Remarks**

TM 2313: 23°C, spindle Z2  
 TM 2313: Thix index: rate 2/20  
 TM 2625: 25°C 1% M50 by weight  
 TM 4572: Resin: glass 2:1, 1% HA-2

**Properties of the liquid resin (typical values)**

Property	Value	Unit	TM
Flash point	appr. 33	°C	2800
Shelf life, no init., dark, 20°C	6	Month	-

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

**Material Safety**

A material safety data sheet for the product is available on request.

**Test methods**

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



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