

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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