

## BYK-P 9929

Processing additive for unsaturated polyester and vinyl ester resin systems to reduce the peak exotherm in ambient radical cured systems.

### Product data

#### Composition

Solution of polar acidic esters of long chain alcohols

#### Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C): 0.90 g/ml

Flash point: 28 °C

#### Storage and transportation

Turbidity or crystallization possible during storage and transportation. Warm to 30–40 °C and mix well before use.

### Applications

#### Thermosets

##### Special features and benefits

The additive is used in unsaturated polyester (UP) and vinyl ester (VE) resin systems to reduce the peak exotherm during the ambient curing process. In cobalt accelerated systems, BYK-P 9929 can be applied in combination with Acetylacetone- (AAP) and Methyl ethyl ketone peroxide (MEKP). This is similar to amine-accelerated resins cured with Benzoyl peroxide (BPO). BYK-P 9929 has no influence on the final properties of the cured products. The additive is liquid and easy to incorporate.

##### Recommended levels

0.5–3 % additive (as supplied) based on the resin quantity.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

##### Incorporation and processing instructions

BYK-P 9929 can be incorporated during any stage of the process, but before the addition of the peroxide.

##### Special note

The impact of BYK-P 9929 on the gel time of the system should be tested. The impact can be minimized by adjusting the accelerator content. The impact on surface hardness strongly depends on the dosage of the additive and needs to be checked.

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