

Liquid Inhibitor Additives for Thermosets

Color Solutions

Plasticolors® IN Colorants

General Information

Plasticolors IN liquid inhibitor additives have been designed for use in the thermoset industry to manage storage stability and to delay premature gelation. The selection of an appropriate inhibitor is crucial to achieve the required fabrication performance.

Key benefits

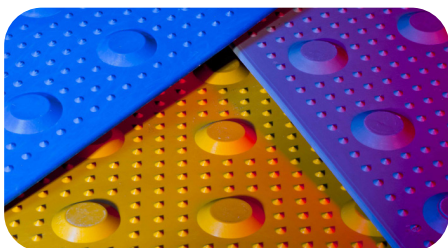
Plasticolors IN liquid inhibitor additives eliminate airborne particles and provide improved handling. Plasticolors IN product detail is available on the reverse side of this sheet. Other liquid inhibitor additives are available on request.

Application

Inhibitor additives are designed to serve in a wide variety of polyester applications. Selection of the inhibitor additive should be based on shelf life requirements with regard given to minimizing the inhibitor's effect on curing the resin matrix. As such, they are best suited for the following processes:

- SMC, BMC, TMC
- Pultrusion
- Polyester Resin Production

They can also be used for other thermosetting polyester and vinyl ester applications.



Packaging and storage

Plasticolors IN liquid inhibitor additives are available in standard 25 liter black plastic jerry cans, 200 liter metal drums and 1000 liter black IBCs. Custom packaging is available on request.

Containers should be tightly sealed when not in use. This will prevent the absorption of atmospheric moisture and minimize the chance of airborne contamination. Containers should be stored in such a way as to protect them from extreme temperatures (0– 30°C). The Shelf life of the product is 6 months from the date of manufacture in unopened packaging.

Handling

Prior to use, all liquid inhibitor additives must be heated to 22–24°C and agitated to ensure inhibitor is completely dissolved.

Our services

Chromaflo Technologies Europe supplies pigment pastes and chemical dispersions in Europe, North Africa and the Middle East. Manufacturing and technical support is provided from our Maastricht site in the Netherlands.

Our technical professionals are available to support you with your inhibitor, thickening and color requirements.

Our dedicated sales managers are your point of contact for any queries you have. Apart from direct contact with our sales managers, we have set up a broad network of distribution partners to enhance local support. A large palette of standard colors, custom color matched blends and toll manufacturing can be offered.

Contact us to learn more about our chemical dispersions and pigment pastes for your application. Information on the product portfolio in other regions can be provided on request.

Product code	Chemistry	Carrier	Inhibitor content Wt %	Average density (kg/m ³)
IN-90496	Parabenzquinone (PBQ)	Propylenecarbonate/ proprietary solvent	10	1200
IN-90761	Parabenzquinone (PBQ)	Methylethylketon (MEK) -styrene blend	10	880
IN-90859	Butylhydroxytoluene (BHT)	Styrene	20	900
IN-90865	4-Tert-Butylcatechol (TBC)	Styrene	10	900
IN-90867	Mono-Tertiary Buthyl Hydroquinone (MTBHQ)	Diethyleneglycol	25	1100
IN-90871	Hydroquinone (HQ)	Diethyleneglycol	20	1100
IN-90878	Parabenzquinone (PBQ)	Methylmethacrylaat	5	900
IN-90914	Parabenzquinone (PBQ)	Trimethylolpropane tri- methacrylate (TMPTMA)	5	1060
IN-90944	4-Hydroxy-TEMPO	Methylethylketon (ME- K)-Styrene blend	15	880

Other liquid inhibitor additives are available on request. Please contact Vibrantz Technologies for more information.

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