

# Chemical Thickener Dispersions for Polyester Molding

Color Solutions

## Plasticolors® AM & PG Colorants

Plasticolors AM and PG products are the most consistently reactive magnesium oxide dispersions available designed to deliver a specific controlled thickening response.

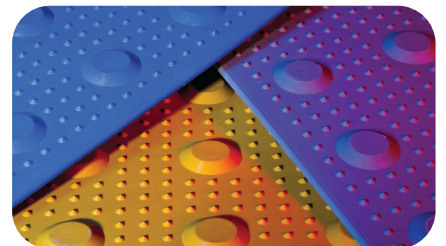
### General Information

#### Application

The AM products are based on magnesium oxide and the PG on magnesium hydroxide chemistry. These products are manufactured using a technology designed to enhance consistency and predictability of thickening for SMC, BMC and TMC systems.

#### Properties

This thickener technology includes an innovative breakthrough in quality control methodology to assure consistent thickening performance of the magnesium oxide dispersions. This methodology is based on state-of-the-art rheological instrumentation, analysis and advanced interpretation. These design components work in synergy to assist compounders and molders with optimizing consistent thickening and controlling molding viscosity. Plasticolors AM and PG product details are available on the reverse side of this sheet. Additional information includes reactivity, viscosity and density in kg/m<sup>3</sup>.



## **Packaging and storage**

These thickener products are available in a variety of packaging. Please contact Vibrantz Technologies for more information.

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 a manner as to protect them from temperature extremes (0–45°C). Material should be mixed prior to use if stored over 30 days. The Best Before Use Date is 12 months from the date of manufacture.

## **Our services**

Vibrantz 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	Viscosity cps	Reactivity Index (*)	Density kg/m <sup>3</sup>	Color
AM-90762/25	MgO	6.000-12.000	0.85-1.15	1600-1900	Neutral
AM-90763/35	MgO	8.000-18.000	0.85-1.15	1600-1900	Neutral
AM-90763/35 FC	MgO	8.000-18.000	0.85-1.15	1600-1900	Neutral
AM-90763/35 LV	MgO	9.000-11.000	0.85-1.15	1600-1900	Neutral
PG-90772	Mg(OH) <sub>2</sub>	10.000-20.000	0.85-1.15	1650-1950	Neutral

(\*) The Reactivity Index is determined per batch in comparison with the standard (Reactivity Index = 1)

Other liquid thickeners are available upon request. Please contact Vibrantz Technologies to discuss your requirements.

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