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BENGEL[®] 958

Rheological additive for low to medium polarity binders and solvents

GENERAL INFORMATION

BENGEL[®] 958 demonstrates easier dispersibility compared to conventional organoclays. It provides good thixotropy, sag resistance, and anti settling properties.

It is an easy dispersible grade, and provides great flexibility in manufacturing procedures.

It is recommended to be used in systems like air dry long oil alkyd enamels, polyurethane sanding sealers, general industrial maintenances, printing inks, sealants and aliphatic systems.

PHYSICAL PROPERTIES

Composition	Organic derivative of a bentonite clay
Colour	White
Form	Finely divided powder
Moisture	5.0% max
Granularity (through 200 mesh)	≥ 95
LOI (loss on ignition)	38 – 41
FOG (dispersed in xylene)	≤ 50 microns

APPLICATIONS

BENGEL[®] 958 is an efficient replacement for **BENGEL[®] 908**, in aliphatic systems, especially for applications where the easy dispersibility attribute can be utilised to advantage.

BENGEL[®] 958 demonstrates excellent antissettling performance in sanding sealer formulations.

In long oil alkyds **BENGEL[®] 958** demonstrates superior thixotropy and sag resistance performance.

KEY PROPERTIES

BENGEL[®] 958 Rheological Additive

Easy to incorporate, even at less than optimum dispersion conditions

Simplified manufacturing

Eliminates the need for pregels

Eliminates the need for polar activator

Provides good sag control and pigment suspension properties

Provides consistent development of rheological properties

Cost effective

INCORPORATION

BENGEL[®] 958 is an easy dispersible grade that increases flexibility in paint manufacturing. In view of its easy dispersibility, it is largely recommended to be added in-situ. It is also possible to add it at any point in the manufacturing process. It performs well under less than optimum dispersion condition. A polar activator is not required.

There is generally no need to pregel **BENGEL[®] 958**. If you have equipment constraints, the pregel technique can be used with **BENGEL[®] 958**. This is particularly useful under less than optimum incorporation conditions, as it greatly improves paint performance compared with conventional organoclays.

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General paint making equipment, e.g. ball mills, media mills, sand mills will also provide sufficient shear to effectively incorporate and activate BENGEL 958.

For improved performance in very low polarity solvent based systems, a polar activator is recommended.

LEVELS OF USE

Recommended use levels for BENGEL[®] 958

Use levels are typically 0.2 to 1.5 % by weight of the system. The optimum level to be used is very much dependent on the formulation, efficiency of incorporation technique and equipment. A study to determine the optimum level is always encouraged.

REGULATORY

For the most current regulatory status, please refer to the BENGEL[®] 958 MSDS. It may be viewed and downloaded from our website at:

www.elementisspecialties.com

HANDLING AND SAFETY

More detailed information on handling and safety for each product is included in the relevant material safety data sheet, available for each product.

STORAGE RECOMMENDATIONS

Store in a cool, dry location

PACKAGING

BENGEL[®] 958 rheological additive is available in 25 kg multi-ply paper bags. Please contact your local Elementis Specialties representative for the packaging available in your region.

SHELF LIFE

BENGEL[®] 958 rheological additive has a shelf life of 4 (four) years from date of manufacture

PRODUCT NUMBER

12317

QUALITY ASSURANCE

Since 1992 the company is a holder of ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to stipulated standards.

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