



PRODUCT DATASHEET

PRODUCT:

Product Name: Organic Bentonite Rheological Additive BS-1C
Product Code: BS1C

GENERAL INFORMATION

BS-1C is an organic derivative of a bentonite clay. This rheological additive is designed for low to intermediate polarity organic system, such as mineral oil, paraffin oil, toluene, xylene, 200# solvent oil.

APPLICATIONS

BS-1C organic bentonite used as thickener, anti-settling agent and rheological agent widely employ in the field of mixed paint, floor paint, putty, marine paint, primer paint, anti-corrosion paint, adhesive glue, seal gum, printing ink, grease and so on.

INSTRUCTIONS FOR USE

BS-1C is added and dispersed in the solvent under high shear, a chemical activator can then be introduced to optimize gelation. For incorporation in the full formulation the pregel is added to the resin/solvent mixture with stirring. Pigments and fillers are then incorporated and dispersed under high shear. The chemical activators can be methanol/H₂O(95/5), ethanol/H₂O(95/5), propylene carbonate, or acetone. The level of activator depends on the system in which organic bentonite is to be used; the typical levels are between 30 and 50% based on organic bentonite weight.

LEVELS OF USE

The level depends on the system in which is to be used. The typical levels are between 0.5 and 2.0% BS-1C organic bentonite based on total system weight.

THE MAIN PRODUCT QUALITY INDEX

INDEX \ TYPE	BS-1C
COMPOSITION	Organic derivative of a bentonite clay
COLOR/Form	Light cream, finely divided powder
DENSITY, g/cm ³	1.80
MOISTURE, %	≤3.50



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FINENESS (-200mesh)	≥ 95.0
Bulk density, kg/m^3	≤ 440
LOI(900°C, %)	28.0~32.0

Storage and package:

Leather bags are used for the outer package, and the bag uses the double layer packing of the polyethylene film, or the paper bag. The weight is usually $25 \pm 0.25 \text{kg}$, or according to the user packing demands. Keep in dry places. When the temperature is $0 \sim 30^\circ\text{C}$, the quality is valid for 24 months.