

Data Sheet BITUMIS-PG-45

ANIONIC POLYMER

- Ideal for mechanical dehydration of inorganic sludge or minerals.
- Applicable to a wide variety of industrial waters and effluents.
- Works in a wide pH range: 1.0 – 12.0.
- Easily soluble in water.
- Excellent cost-performance ratio: works at very low doses

Main use

BITUMIS PG-45 it has been specially formulated to be used in the mechanical dehydration of sludge, coming from clarification and thickening processes of industrial effluents, especially minerals. **BITUMIS PG-45** also has application in clarification and thickening of industrial water and other processes such as paper and sugar.

General description

BITUMIS PG-45 is a solid polymer of "very high molecular weight", strongly anionic, with the following characteristics:

Physical state:	Granular
Color:	White
Odor:	None
pH at 25 °C:	6,0 – 8,0 at 0,1%
Solubility:	<0,50 % in water
Brookfield Viscosity, cP:	<200 at 0,1%

Dose

The dose of **BITUMIS PG-45** varies according to the type of process and effluent treated. Typical doses are:

- Mechanical dehydration: 10 – 150 g/m³
- Thickening and clarification: 0,05 – 30 g/m³.

In any case, technical representative **Bitumis®** advise you on the establishment of the dose appropriate to your particular situation.

How to use and feed

BITUMIS PG-45 it should be continuously fed to the process, at a point of good agitation and mixing, using sweet steel dosing pumps or any other material. To obtain the best performance of the product, up to 0.5% concentration should be prepared in solutions and then fed to a maximum of 0.1% concentration. The preparation time for **BITUMIS PG-45** solutions is 40 minutes. It is recommended to do it as follows:

- Slowly add it to the water while stirring. This prevents the formation of lumps or clumping.
- Shake gently for 10 – 15 minutes and leave to rest for 5 – 10 minutes.
- And finally, shake for 15 – 20 minutes.

Dispatch and storage

BITUMIS PG-45 is dispatched in 25 kg bags. It is recommended to store it in a dry and cool place. Keep containers closed to prevent hydration. Storage time (shelf life): 12 months from the date of production indicated on the packaging.

Handling and safety

BITUMIS PG-45 there are no risks in its handling. Like any chemical, avoid contact with skin and eyes. Don't ingest it. In case of contact with eyes, skin and clothing, wash with plenty of water. If eye irritation occurs, see a doctor immediately.

"The application or methods of handling, storing, using and disposition of the product and/or its packaging are beyond our control, therefore the company does not assume and is unaware of any liability for loss, damage or other situation that is related to the handling, use or disposal of the product and its packaging. The company assumes no liability for damage to the buyer or third parties caused by abnormal use of the material and/or its packaging, even in accordance with reasonable safety procedures. The data provided was obtained from reliable sources, however, no warranty is expressed or implied with respect to the accuracy of this data or the results obtained from the use of the material."
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