

## Data Sheet BITUMIS-PG-46

### CATIONIC POLYMER

- Ideal for mechanical dehydration of organic sludge.
- Applicable to a wide variety of industrial waters and effluents.
- Works in a wide pH range: 1.0 – 13.0.
- Easily soluble in water.
- Excellent cost-performance ratio: works at very low doses

### Main use

**BITUMIS-PG-46** it has been specially formulated to be used in mechanical dehydration of sludge from clarification and thickening processes of industrial effluents, especially organic ones. **BITUMIS-PG-46** also has application in the clarification and thickening of industrial water and other processes.

### Descripción general

**BITUMIS-PG-46** is a solid polymer of "high molecular weight", slightly cationic, with the following characteristics:

<b>Color:</b>	<b>White</b>
<b>Odor:</b>	<b>None</b>
<b>pH at 25 °C:</b>	<b>2,5 – 4,5 at 0,5%</b>
<b>Density:</b>	<b>0,800 g/cm<sup>3</sup></b>
<b>Solubility:</b>	<b>&lt;0,5 % in water</b>
<b>Brookfield Viscosity (cP):</b>	<b>~560 al 0,5%</b>
	<b>~260 al 0,25%</b>
	<b>~120 al 0,1%</b>

### Dose

The dose of **BITUMIS-PG-46** varies according to the type of process and effluent treated. Typical doses for thickening and clarification range from 0.1 to 300 g/m<sup>3</sup>. In any case, technical representative **Bitumis®** will advise you on the establishment of the dose appropriate to your particular situation.

### Instructions for use and application

**BITUMIS-PG-46** it must be continuously fed to the process, at a point of good agitation and mixing, through 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.

Solution preparation time 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.
- Leave to rest for 15 – 20 minutes.
- And finally, shake for 15 – 20 minutes.

### Dispatch and storage

**BITUMIS-PG-46** is dispatched in 25 kg sacks. It is recommended to store it in a dry and cool place. Keep containers closed to prevent hydration. It can be stored for more than twelve months from the date of production indicated on the packaging.

### Manejo y seguridad

**BITUMIS-PG-46** 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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