

Resinex™ HM-WBP-79 BG

Weak Base Anion Exchanger for Gold extraction

Resinex™ HM-WBP-79 BG is a high purity, premium grade, weakly basic macroporous anion exchange resin that is highly resistant to osmotic and thermal shock. It is primarily designed for effective recovery of aurocyanide complexes obtained from the alkaline cyanide processing of gold ores and offers a superior selectivity for gold against the basic metals exiting a pregnant solution. **Resinex™ HM-WBP-79 BG** is supplied with a selected particle size required by Resin-in-Pulp gold recovery circuits.

Typical Properties

Type	crosslinked polystyrene divinylbenzene
Form	macroporous, milky white, spherical beads
Functional group	tertiary & quaternary amino
Whole bead count	95% min.
Ionic form, as shipped	free base/ Cl^-
Bead size	0.70 - 1.25 mm
Uniformity coefficient	1.60 max.
Bulk density, as shipped	670 kg/m^3
Water retention	45 - 50%
Total capacity	1.30 eq/l min.
Volume change $\text{Cl}^- \rightarrow \text{OH}^-$	20% max.
Temperature	70 °C max.
Shelf life	2 years

Key Features and Benefits

- **High Integrity Beads**
Excellent resistance to mechanical degradation ensures low pressure drop
- **High Operating Capacity**
Economical advantage
- **Adapted Bead Size**
Offers a low pressure drop combined with an high efficiency for the process
- **High Selectivity For Gold**

Typical Applications

- Extraction of aurocyanides

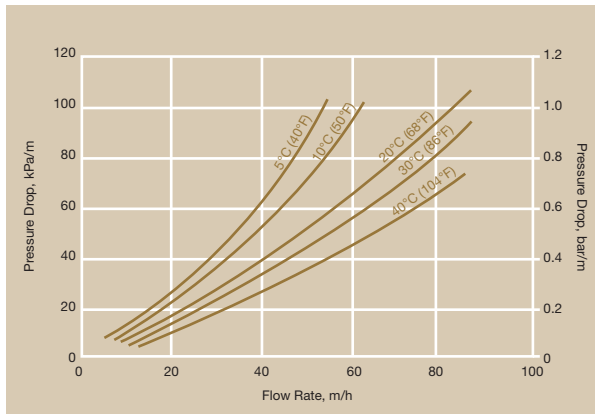
Standard Packaging

- 25 lit. PE valve bag
- 1000 litre big bag

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Pressure Drop



Product Packing



25 lit. polyethylene valve bag
48 bags per pallet



Polypropylene FIBCs
(big bag), 1.000 lit.



CAUTION Strong oxidizing agents such as nitric acid can react violently with ion exchange resins and cause explosive type reactions. Before using strong oxidants, consult sources knowledgeable in the handling of these materials.



NOTICE Due to the progressive nature of the Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

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