PRODUCT INFORMATION
LEWATIT® K 6462

Lewatit® K 6462 is a strongly basic, gelular anion exchange resin with beads of uniform size (monodisperse) based on a styrene-divinylbenzene copolymer. The monodisperse beads are chemically and osmotically highly stable. The optimized kinetics lead to an increased operating capacity compared to ion exchange resins with heterodisperse bead size distribution.

Lewatit® K 6462 is especially applicable for the following applications:

- hydrometallurgical processes, e.g. uranium extraction.
- chemicals processing: extraction and recovery of anionic heavy metal complexes

The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art. Further advice in this matter can be obtained from Lanxess, Business Unit Ion Exchange Resins.

General Description

Ionic form as shipped	Cl^-
Functional group	quaternary amine, type I
Matrix	crosslinked polystyrene
Structure	gel type beads
Appearance	yellow, translucent

Physical and Chemical Properties

		metric units	
Total capacity*		min. eq/l	1.4
Uniformity Coefficient*		max.	1.1
Mean bead size*		mm	0.5 (+/- 0.0 9 5)
Bulk density	(+/- 5 %)	g/l	650
Density		approx. g/ml	1.08
Water retention		wt. %	45 - 50
Volume change	Cl^- --> OH^-	max. vol. %	22
Stability	at pH-range		0 - 14
Storability	of the product	max. years	2
Storability	temperature range	°C	-20 - 40

* Specification values subjected to continuous monitoring.

Additional Information & Regulations

Safety precautions

Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Toxicity

The safety data sheet must be observed. It contains additional data on product description, transport, storage, handling, safety and ecology.

Disposal

In the European Community Ion exchange resins have to be disposed, according to the European waste nomenclature which can be accessed on the internet-site of the European Union.

Storage

It is recommended to store ion exchange resins at temperatures above the freezing point of water under roof in dry conditions without exposure to direct sunlight. If resin should become frozen, it should not be mechanically handled and left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.

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For more information or a quote, please use the

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