

**Lewatit® K 6362** is a strongly basic, Type-I, gel-type, styrene-DVB-based resin in spherical bead form.

Its beads are of a uniform size, which results in optimal packing and low pressure drops across the bed. Reaction parameters can be maintained within even tighter tolerances, where this catalyst is used in continuous-flow processes.

After conditioning to the OH-Form, **Lewatit® K 6362** is especially suitable for the following applications:

- » Chemicals processing: Removal of mercaptan sulfur from hydrocarbon streams
- » Catalysis: Organic reactions of small polar molecules in the temperature range 30-60 °C

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 <sup>-</sup>
Functional group	quaternary amine, type I
Matrix	crosslinked polystyrene
Structure	gel type beads
Appearance	light yellow, translucent

## Physical and Chemical Properties

		<b>metric units</b>	
Total capacity*		min. eq/l	1.2
Uniformity Coefficient*		max.	1.1
Mean bead size*		mm	0.6 (+/- 0.0 ) 2 5
Fines	< 0.4	typical:	0.1
Bulk density	(+/- 5 %)	g/l	690
Density		approx. g/ml	1.08
Water retention		wt. %	48 - 55
Volume change	Cl <sup>-</sup> --> OH <sup>-</sup>	max. vol. %	22
Stability	temperature range	°C	-20 - 60
Storability	of the product	max. years	2
Storability	temperature range	°C	-20 - 40

\* Specification values subjected to continuous monitoring.

## Additional Information & Regulations

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### **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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This document contains important information and must be read in its entirety.

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**LENNTECH**

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