PRODUCT INFORMATION
LEWATIT® VP OC 1065

Lewatit® VP OC 1065 is a macroporous, DVB-crosslinked polymer in spherical bead form, with benzylamine groups.

Therefore, it is especially suitable for use in the following applications :

- Selective adsorption of compounds containing acidic groups
- Decolorization of sugar starch and protein solutions
- Adsorption of atmospheric CO_2
- Adsorption of aldehydes

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	free base
Functional group	primary amine
Matrix	crosslinked polystyrene
Appearance	opaque beads

Physical and Chemical Properties

		metric units	
Total capacity*		min. eq/l	2.2
Uniformity Coefficient*		max.	1.8
Bead size*	> 90 %	mm	0.315 - 1.25
Effective size*		mm	0.47 - 0.57
Fines*	< 0.315 mm	max. vol. %	3
Bulk density	(+/- 5 %)	g/l	630 - 710
Water retention		wt. %	65 - 70
Surface area	BET	approx. m^2/g	50
Pore volume		approx. cm^3/g	0.27
Pore diameter	average	nm	25
Stability	temperature range	°C	-20 - 100
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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