PRODUCT INFORMATION
LEWATIT® K 2629

Lewatit® K 2629 is a strongly acidic, macroporous, polymer-based resin in spherical bead form, with sulfonic acid groups. It is ideally suited as a heterogeneous catalyst for organic reactions and for the processing of aqueous and organic liquids.

A large pore structure, high capacity and a high degree of crosslinking, enable this catalyst to be used in polar and non-polar media.

It is very compact and thus of exceptional mechanical stability.

Lewatit® K 2629 is especially suitable for the following applications:

- production of the gasoline additives MTBE, ETBE and TAME
- phenol alkylations and transalkylations, hydration of olefins, esterification, etherification, condensation and alkylation of larger polar and non-polar molecules
- cation removal, base adsorption from aqueous and organic liquids

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	H^+
Functional group	sulfonic acid
Matrix	crosslinked polystyrene

Physical and Chemical Properties

		metric units	
Total capacity*	H-Form	min. eq/l	1.7
Total capacity*	H-Form (dry)	min. eq/kg	4.8
Uniformity Coefficient*		max.	1.6
Bead size*	> 90 %	mm	0.4 - 1.25
Effective size*		mm	0.50 - 0.62
Fines	< 0.315 mm		typical < 0.5 %
Bulk density	(+/- 5 %)	g/l	760
Density		approx. g/ml	1.15
Water retention		wt. %	50 - 55
Surface area	BET	approx. m^2/g	40
Pore volume		approx. cm^3/g	0.3
Pore diameter	average	nm	33
Stability	temperature range	°C	-20 - 125
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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