PRODUCT INFORMATION
LEWATIT® K 2649

Lewatit® K 2649 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.

It has been dried and can be directly used in applications requiring anhydrous conditions.

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

In reactions involving the use of or formation of water, **Lewatit® K 2629** should be used and not **Lewatit® K 2649**. **Lewatit® K 2649** is the dried form of **Lewatit® K 2629**.

Lewatit® K 2649 is especially suitable for the following applications:

- phenol alkylations with olefins
- olefin oligomerizations
- esterification, etherification and alkylation of larger polar and non-polar molecules

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
Structure	macroporous

Physical and Chemical Properties

		metric units	
Total capacity*		min. eq/kg	4.7
Bead size*	> 90 %	mm	0.4 - 1.2 5
Fines*	< 0.315 mm	max. vol. %	4
Bulk density	(+/- 5 %)	g/l	450
Residual water*		wt. %	max. 2
Surface area	BET	approx. m^2/g	40
Pore volume		approx. cm^3/g	0.3
Pore diameter	average	nm	65
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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