

Lewatit® Regler ZL is a polymer-based cation exchange resin in powder form possessing strongly acidic sulfonic acid groups. Due to its temperature stability and high specific surface this product is especially suitable for the use as heterogeneous catalyst in organic synthesis. Optimal performance is achieved in anhydrous reaction media.

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 Liquid Purification Technologies.

Common Description

Delivery form	H ⁺
Functional group	sulfonic
Matrix	styrenic
Appearance	powder

Specified Data

Range of size for >97 vol% of all beads		mm	
Total capacity (dry resin)		min. eq/kg	5.0

Typical Physical and Chemical Properties

Bulk density for shipment	(+/- 5%)	g/L	520
Density		approx. g/mL	1.22
Stability pH range			
Stability temperature range		°C	1-130
Storage temperature range		°C	-20 - +40
Pore diameter		approx. nm	53

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

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.

Packaging

The experience has shown that the packaging stability for reliable resin containment is limited to 24 months under the storage conditions described above. It is therefore recommended to use the product within this time frame; otherwise the packaging condition should be checked regularly.

LENNTECH
WATER TREATMENT SOLUTIONS

info@lennotech.com Tel. +31-152-610-900

www.lennotech.com Fax. +31-152-616-289

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