PRODUCT INFORMATION
LEWATIT® UltraPure 1292 MD

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^+/OH^-
Functional group	Quaternary ammonium Typ1 /sulfonic acid
Matrix	Styrenic
Structure	Gel
Appearance	Dark brown / Light brown translucent

Specified Data

Uniformity coefficient (SAC component)		max.	1.1
Uniformity coefficient (SBA component)		max.	1.1
Mean bead size (SAC component)	d50	mm	0.60 (+-0.05)
Mean bead size (SBA component)	d50	mm	0.64 (+-0.05)
Total capacity (SAC component H^+ form)		min. eq/L	2.1
Total capacity (SBA component OH^- form)		min. eq/L	1.2
Ultrapure water rinse test (resistivity)	after 80 BV rinsing	min. MOhm*cm	18
Ultrapure water rinse test	delta TOC after 80 BV	max. ppb	10

Typical Physical and Chemical Properties

Bulk density for shipment	(+/- 5%)	g/L	720
Density		approx. g/mL	1.13
Stability pH range			0-14
Storability (from the time of delivery)		max. years	1
Storability temperature range		°C	-20 - +40
Friability		average g/bead	600

Operation

Operating temperature		max. °C	40
Operating pH range	during exhaustion		0-14
Bed depth for single column		min. mm	600
Specific pressure loss kPa*h/m² (15°C)		kPa*h/m² (15°C)	1
Max. pressure loss during operation		kPa	200
Specific flow rate		max. BV/h	100

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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