

Lewatit® Ultrapure 1292 MD is a “ready to use” mixed bed for polishing in semiconductor or solar applications.

The high grade gel type components are purified to achieve highest purity water conditions.

By special internal conversion technique of the SBA component, **Lewatit® Ultrapure 1292 MD** has a very high capacity for boron and silica. The components are equivalently mixed.

The performance of each produced batch number of **Lewatit® Ultrapure 1292 MD** is checked.

The gel type components have a narrow diameter distribution, thus the ready to use mixed bed can be easily separated for regeneration in mixed bed systems.

By reason of the monodisperse production the resin mixture has a very high physical and chemical stability.

High metric flow rates with low pressure loss are possible.

You will receive **Lewatit® Ultrapure 1292 MD** in special packaging which avoids any external contamination.

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 Corporation.

Common Description

Delivery form	H ⁺ /OH ⁻
Functional group	quaternary ammonium, type 1 /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 (+-0.06)
Total capacity (SAC component H ⁺ form)		min. eq/L	2.1
Total capacity (SBA component OH ⁻ form)		min. eq/L	1.1

Typical Physical and Chemical Properties

		US Units		Metric Units	
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
Bulk density for shipment	(+/- 5%)	lb/ft ³	45.0	g/L	720
Density				approx. g/mL	1.13
Stability pH range					0-14
Storage time (after delivery)				max. years	1
Storability temperature range				°C	-20 - +40
Friability				average g/bed	600

Operation

		US Units		Metric Units	
Operating temperature		max. °F	104	max. °C	40
Operating pH range	during exhaustion				0-14
Bed depth for single column		min. inches	23.6	min. mm	600
Specific pressure loss (15°C)				kPa*h/m ²	1
Max. pressure loss during operation		PSI	29	kPa	200
Specific flow rate		max. gpm/ft ³	13	max. BV/h	100

PRODUCT INFORMATION

LEWATIT® UltraPure 1292 MD



Headquarters: 54/18 Bui Quang La, Ward 12, Go Vap District, HCMC, Viet Nam
Office: 12 DHT10B, Dong Hung Thuan Ward, District 12, HCMC, Viet Nam
Phone: (028) 6258 5368 - (028) 6291 9568
Email: info@atswatertechnology.com
Website: www.atswatertechnology.com

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Note: The information contained in this publication is current as of the date of edition. Please contact LANXESS Corporation Inc. to determine if this publication has been revised.

LANXESS Corporation
111 RIDC Park West Dr
12275-1112 Pittsburgh-Allegheny
USA

+1-800-678-0020
lewatit@lanxess.com

www.lanxess.com
www.lpt.lanxess.com

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