ATS WATER TECHNOLOGY

PRODUCT INFORMATION
LEWATIT® TP 106

Lewatit®

Lewatit® TP 106 is a gel-type polystyrene-based strong base anion exchange resin with a heterodisperse particle size distribution. In comparison with conventional strong base anion exchange resins its modified functional group facilitates a very selective uptake of soft anions from feeds with a high background of chloride and sulphate.

Thus **Lewatit® TP 106** particually applicable for the removal of traces of perchlorate, chlorate, bromate, nitrate etc. from all kinds of water and process streams.

In case **Lewatit® TP 106** is used for potable water treatment a special start-up procedure has to be applied which is available upon request. Country specific potable water approval certificates can be received as manufacturer's declaration.

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	Cl^-
Functional group	quarternary ammonium
Matrix	styrenic
Structure	gel
Appearance	white, opaque

Specified Data

Uniformity coefficient		max.	1.7
Effective size	d10	mm	0.46-0.61
Fines	less than 0.315 mm	max. vol %	1
Total capacity (delivery form)		min. eq/L	0.7

Note: The values given in this paragraph are preliminary and can be subject to adjustments.

Typical Physical and Chemical Properties

			Metric Units	
Bulk density for shipment	(+/- 5%)		g/L	690
Water retention (delivery form)			approx. weight %	33-43
Stability pH range				0-14
Stability temperature range			°C	1-80
Storability temperature range			°C	-20 - +40

Note: The values given in this paragraph are preliminary and can be subject to adjustments.

Operation

			Metric Units	
Operating temperature			max. °C	80
Bed depth for single column			min. mm	800
Max. pressure loss during operation			kPa	250
Freeboard	during backwash		min. vol. %	80-100

Additional Information & Regulations

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE OF PRODUCTS MENTIONED HEREIN IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING ANY PRODUCT, ALWAYS READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Safety precautions
Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

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 conditions
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.

Storage time
The recommended storage time for this product is explained in the technical document “Technical guidelines on the storage of Lewatit® ion exchange resins” available for download on our website. Please use the following link for more information: https://lanxess.com/en/products-and-brands/brands/lewatit/literature

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

ATS WATER TECHNOLOGY

Head Office: 54/18 Bui Quang La, An Hoi Tay Ward, HCMC, Vietnam
Branch Office: 77 Dong Hung Thuan 10B, Dong Hung Thuan Ward, HCMC, Vietnam
Phone: (028) 6258 5368 – (028) 6291 9568
Email: info@atswatertechnology.com
Website: www.atswatertechnology.com

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information.

Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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

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

Edition: 2025-05-19
Previous Edition: 2024-09-04

LANXESS Energizing Chemistry