

WBMP-HP

Weak base anion resin, styrene/DVB macroporous, high purity, free base form

ResinTech WBMP-HP is a styrenic macroporous weak base anion resin in the free base form. It has good capacity, moderate strong base functionality, excellent stability, a very low rinse requirement, and can be efficiently regenerated with a variety of alkaline chemicals, or with waste caustic left over from regeneration of strong base anion resin. WBMP-HP is intended for use in multi-bed demineralization and other acid absorption applications. Its HP designation means it has been certified by the WQA for use in drinking water applications.



FEATURES & BENEFITS

- High Operating Capacity
- Resistant To Organic Fouling
- Superior Physical Stability
- Complies With US FDA Regulations

APPLICATIONS

- pH Correction of Acidic Waters
- Cartridge Applications
- Drinking Water Purification
- Spot-free rinse
- Portable Exchange Deionization (PEDI)
- Acid Adsorption
- Demineralization / DI



Meets NSF/ANSI/CAN 61

Halal Certified

Kosher Certified

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

WBMP-HP

Polymer Matrix	Styrene/DVB	Reversible Swelling	10 to 15% (Free Base → Cl)
Polymer Type	Macroporous	Uniformity	Gaussian
Ionic Form (as shipped)	Free Base (FB)	Uniformity Coefficient	1.60
Functional Group	Dimethylamine	Capacity (meq/mL)	1.30
Physical Form	Spherical Beads	Moisture Retention (%)	53 to 60
Particle Size US Mesh (µm)	20 (841) to 50 (297)	Shipping Weight	39 - 41 lbs/cu.ft. (625 - 657 g/L)
< 50 mesh (300 µm) %	< 1	Color	White to Tan
Minimum Sphericity (%)	95		

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	212°F (100°C)	Operating pH Range	0 to 9.0
Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	1-4 gpm/cu.ft. (8-32 BV/h)
Backwash Expansion (%)	25 - 50		

REGENERATION DETAILS

Hydroxide Cycle (NaOH)	1 to 6	Displacement Flow Rate	Same as dilution water
Regenerant Level	3-6 lbs/cu.ft. (48.1-96.1 g/L)	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Regenerant Flow Rate	0.5-1.0 gpm/cu.ft. (4-8 BV/h)	Rinse Flow Rate	Same as service flow
Regenerant Contact Time	>30 minutes	Rinse Volume	35-60 gals/cu.ft. (5-8 BV)

PACKAGING

Standard

7 cu.ft. Drum | 42 cu.ft. Supersack
 1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum



SAFETY DATA SHEETS (SDS)

Safety Data Sheets (SDS) are available for all products on the ResinTech website. They contain important health and safety information that may be needed to protect your employees and customers from any known health and safety hazards associated with our products. We recommend that you secure and study the pertinent MSDS for our products and any other products being used.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions.

Safety Data Sheets (SDS) are available at [resintech.com](https://www.resintech.com)

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