

WBMP-OH

Weak base anion resin, styrene/DVB macroporous, hydroxide form

ResinTech WBMP-OH is a styrenic macroporous weak base anion resin in the freebase/hydroxide form. It is supplied with the weak base sites in the free base form and the strong base sites in hydroxide form. WBMP-OH is intended for applications such as cartridges where high initial resistivity is desired but the resin will not be regenerated before use and also for portable exchange (PEDI) or other applications that need a pre-regenerated weak base anion resin in the free base and hydroxide form.



FEATURES & BENEFITS

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

APPLICATIONS

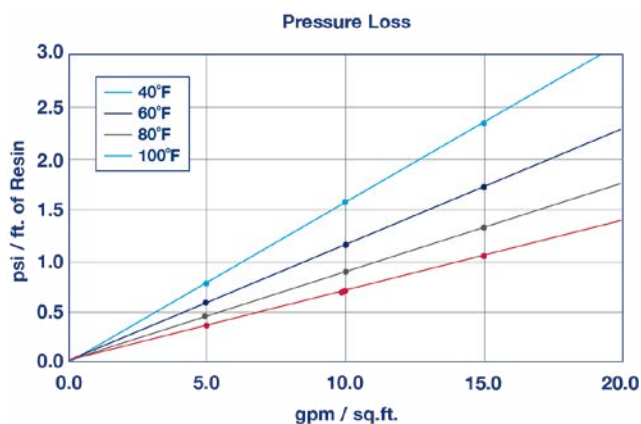
- pH Correction of Acidic Waters
- Cartridge Applications
- Portable Exchange Deionization (PEDI)
- Acid Adsorption
- Demineralization / DI

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

WBMP-OH

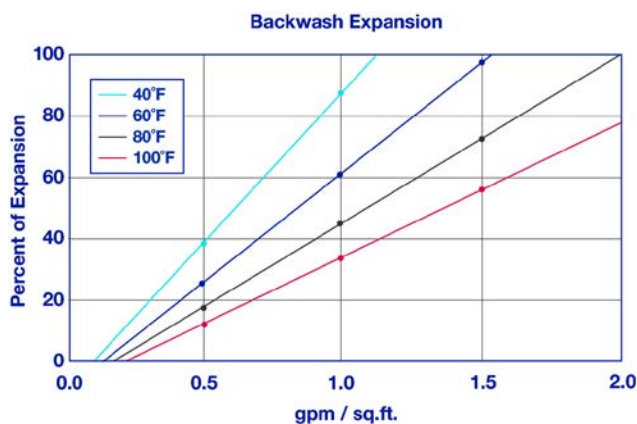
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	95
Polymer Type	Macroporous	Reversible Swelling	10 to 15% (OH → HCl)
Ionic Form (as shipped)	Hydroxide (OH ⁻)	Uniformity	Gaussian
Functional Group	Dimethylamine	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.30
Particle Size US Mesh (μm)	16 (1190) to 50 (297)	Moisture Retention (%)	53 to 60
< 50 mesh (300 μm) %	< 1	Shipping Weight	39 - 41 lbs/cu.ft. (625 - 657 g/L)
		Color	White to Tan

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech WBMP-OH per foot of bed depth as a function of flow rate at various temperatures.

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech WBMP-OH as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	212°F (100°C)	Backwash Expansion (%)	25 - 50
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)

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**

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

Metric

25L Bag | 140L Drum

RELATED FILTERS

AF-XX-4223

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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