

RESINTECH SBG1P-OH-ID is a dyed hydroxide form type 1 gel strong base anion resin. *SBG1P-OH-ID* is dyed with a permanent blue dye that changes from deep blue to amber as the resin exhausts. *RESINTECH SBG1P-OH-ID* is intended for use anywhere that a visual indication of resin exhaustion is desired. *SBG1P-OH-ID* is supplied in the hydroxide form.

FEATURES & BENEFITS

- COLOR INDICATING RESIN**

Color changes from deep blue to amber as resin exhausts from hydroxide form, providing a simple visual indication of depletion. The dye is permanent and does not wash out. The blue dye (thymolphthalein) is stable throughout the full pH range.

- OPTIMIZED PARTICLE SIZE FOR USE IN CARTRIDGES**

Particle size chosen for optimum performance in cartridges. *SBG1P-OH-ID* is intended for point-of-use cartridges and for other single bed and mixed bed applications where a visible indication of resin exhaustion is desired. *SBG1P-OH-ID* is widely used in mixed beds for laboratory cartridges and other applications that do not have conductivity instrumentation.

PHYSICAL PROPERTIES

Polymer Structure	Styrene/DVB
Polymer Type	Gel
Functional Group	Trimethylamine
Physical Form	Spherical beads
Ionic Form as shipped	Hydroxide
Total Capacity	
Hydroxide form	>1.0 meq/mL
Water Retention	
Hydroxide form	53 to 60 percent
Approximate Shipping Weight	
Hydroxide form	41 lbs./cu.ft.
Screen Size Distribution (U.S. mesh)	16 to 50
Maximum Fines Content (<50 mesh)	1 percent
Minimum Sphericity	93 percent
Uniformity Coefficient	1.6 approx.
Resin Color	Blue

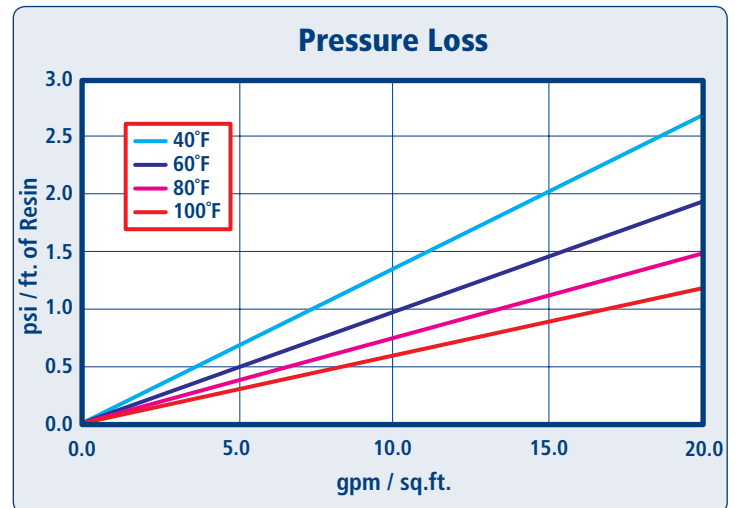
Note: Physical properties can be certified on a per lot basis, available upon request

SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	
Hydroxide form	140°F
Maximum pressure loss	20 psi
Service flow rate	1 to 10 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.

For operation outside these guidelines, contact ResinTech Technical Support



PRESSURE LOSS

The graph above shows the expected pressure loss of *ResinTech SBG1P-OH-ID* per foot of bed depth as a function of flow rate at various temperatures.



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CAUTION: DO NOT MIX ION EXCHANGE RESIN WITH STRONG OXIDIZING AGENTS. Nitric acid and other strong oxidizing agents can cause explosive reactions when mixed with organic materials, such as ion exchange resins.

MATERIAL SAFETY DATA SHEETS (MSDS) are available for all ResinTech Inc. products. To obtain a copy, contact your local ResinTech sales representative or our corporate headquarters. They contain important health and safety information. That information 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.

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