PX-M55

Macroporous cation and gel anion mixed bed resin, hydrogen & hydroxide form, nuclear grade

ResinTech PX-M55 is a 1:1 stochiometric ratio of SACMP-H-HC (a tan-colored hydrogen form macroporous cation resin) and SBG1-OH (a hydroxide form type 1 strong base gel anion resin).

FEATURES & BENEFITS

- Superior Thermal Stability

APPLICATIONS

- Nuclear
- High Temperature Applications
- Condensate Polishing

COMPONENT 1

Media & Volumetric %	65% SBG1-OH
Media Category	Strong Base Anion
Polymer Type	Gel
Polymer Matrix	Styrene/DVB
Functional Group	Trimethylamine
Ionic Form	Hydroxide (OH^-)
Physical Form	Spherical Beads
Capacity	1.20
Moisture Retention (%)	52 to 60
Media Color	Yellow to Orange

COMPONENT 2

Media & Volumetric %	35% SACMP-HC
Media Category	Strong Acid Cation
Polymer Type	Macroporous
Polymer Matrix	Styrene/DVB
Functional Group	Sulfonic Acid
Ionic Form	Sodium (Na^+)
Physical Form	Spherical Beads
Capacity	2.30
Moisture Retention (%)	43 to 48
Media Color	Tan to Brown

PHYSICAL PROPERTIES

Particle Size	16-50 US mesh (297-1190µm)
< 50 mesh (300 µm) %	< 1
Shipping Weight	45 - 47 lbs/cu.ft. (721 - 753 g/L)

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	212°F (100°C)
Minimum Bed Depth	24 in. (61.0 cm)
Maximum Pressure Loss	25 psi (172 kPa)
Operating pH Range	2.0 to 12.0
Flow Rate	
Working Service	Depends on fluid viscosity. Contact ResinTech
Polishing	3-15 gpm/cu.ft. (24-120 BV/h)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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HIGH TEMPERATURE USE
ResinTech PX-M55 can be used at temperatures up to approximately 212℉ for non-regenerable applications.
Anionic Form, CO3: 5% max
Anionic Form, SO4: 0.1% max
Anionic Form, Cl: 0.1% max
Iron 50 ppm max
Sodium 30 ppm max
Heavy Metals 40 ppm max
Conversion (min) Cation 99.9% H form
Conversion (min) Anion 95% OH form

Effective Particle Size: 0.6 mm

CERTIFICATIONS

REACH Registered

PACKAGING

Standard

7 cu.ft. Drum | 1 cu.ft. Bag

200L Drum | 25 L bag

Metric

1 cu.ft. Bag | 5 cu.ft. Drum

25L Bag | 140L Drum

Shipping Weight

45 - 47 lbs/cu.ft. (721 - 753 g/L)

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) 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

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