

SUPRA SCM-41A-OH

CATALYTIC MEDIA

CATALYST RESIN WEAK BASE MACROPOROUS HYDROXYDE FORM

ResinTech SCM-41A-OH is a weak base macroporous catalyst with large porous polymeric structure that allows aqueous and non aqueous catalytic reactions inside of the its sponge-like structure. Its unique structure allows the complete reaction molecular within the resin bead with its hydroxyl available groups for a complete reaction. ResinTech SCM-41-A-OH has been designed as a fast reaction catalytic media for acids neutralization from chlorinated hydrocarbons and fenol removal from benzene solutions. Because of its large polymeric macroporous structure the SCM-41A-OH can inhibit removal from monomer streams of Hydroquinone, Hydroquinone Monoethyl Ether, Tertiary Butyl Catechol, etc. Used as its dry presentation (SCM-41A-D) can remove sulfur dioxyde from natural gas streams.

APPLICATIONS

- Acid neutralization from polar and non polar solutions
- Glycol purification
- Phenol removal from benzene streams

SUGGESTED OPERATING CONDITIONS

Maximum operating temperature	212°F
Maximum Pressure Loss	15 psi across resin bed
Minimum Depth	24 inches
Service Flow Rate	0.5 - 5.0 bed volumes/hour

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

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Macroporous
Ionic Form	Hydroxide
Fuctional Group	Tertiary Amine
Physical Form	Spherical Beads
Ionic Form	Hydroxide
Percent in Hydroxyde Form	> 99%
Total Capacity	> 1.3 eq/l
Moisture Content	54 - 62%
Surface Area	> 35 m2/g
Average Pore Volume	> 0.1 cc/g
Average Pore Diameter	> 110 Angstroms
Swelling	Approx. 77% in phenol
Shipping Weight	Approx. 650 g/l
Screen Size	0.4 - 1.25 mm

Revision 1.2
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