

SUPRA PX-A45-OH

CATALYTIC MEDIA

CATALYST RESIN
STRONG BASE MACROPOROUS
HYDROXYDE FORM

ResinTech PX-A45-OH is strong base type I 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 within the resin bead with its hydroxyl available groups for a complete reaction with large molecules. ResinTech PX-A45-OH has been designed as a fast reaction catalytic media for aldol condensation, acids removal from chlorinated hydrocarbons and phenol-acetone solutions. Because of its large polymeric macroporous structure the PX-A45-OH can easily remove mercaptans from alcohols, such as methanol in etherification processes.

APPLICATIONS

- Aldol condensation
- Carbonylation
- Mercaptans removal from hydrocarbons and methanol
- Acids removals from chlorinated hydrocarbons
- Acid removal from polar and non polar solutions

SUGGESTED OPERATING CONDITIONS

Maximum operating temperature	140°F
Maximum Pressure Loss	15 psi across resin bed
Minimum Depth	39 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
Functional Group	Quarternary Amine
Physical Form	Spherical Beads
Ionic Form	Hydroxide
Percent in Hydroxyde Form	> 99%
Total Capacity	> 0.8 eq/l
Moisture Content	66 - 75%
Surface Area	> 30 m ² /g
Average Pore Volume	> 0.2 cc/g
Average Pore Diameter	> 290 Angstroms
Swelling	Approx. 34% in acetone
Shipping Weight	Approx. 675 g/l
Screen Size	0.4 - 1.25 mm

Revision 1.2
ResinTech, Inc.®

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INNOVATIONS IN ION EXCHANGE