



Technical Data Sheet

MATERIAL: Polystyrene, crosslinked, quaternary ammonium, chloride form

CATALOG NUMBER: 722

CAS NUMBER: 63181-94-2

DESCRIPTION: Strongly basic ion exchange resin

FORMULA: $(C_{12}H_{18}N \cdot C_{10}H_{10} \cdot Cl)_x$

TYPICAL PROPERTIES:

Appearance:	Beads
Moisture Content:	60%
Macroreticular Spheres:	0.50mm effective size
Exchange Capacity:	4.4 meq./g. dry resin
pH Range:	Unlimited
Maximum Temperature:	90°C
Swelling Factor:	20%

GENERAL INFORMATION: Prepared by the suspension polymerization of styrene and divinylbenzene followed by chloromethylation and aminolysis. This macroporous resin finds application in the removal of color bodies through absorption, as deionization of aqueous solutions, and removal of acidic impurities. It can be used in non-aqueous systems by treating with methanol followed by the organic solvent of choice. The resin may be regenerated to the hydroxide form by treatment with sodium hydroxide followed by water rinsing.

STRUCTURE: