



## Technical Data Sheet

**MATERIAL:** Polystyrene, crosslinked, tertiary amine, free base form

**CATALOG NUMBER:** 725

**CAS NUMBER:** 68441-29-2

**DESCRIPTION:** Weakly basic ion exchange resin

**FORMULA:**  $(C_{10}H_{10} \cdot C_8H_8 \cdot C_2H_7N)_x$

**TYPICAL PROPERTIES:**

Appearance:	Beads
Moisture Content:	60-64%
Macroreticular Spheres:	16 to 50 mesh
Exchange Capacity:	4.2 meq./g. dry resin
pH Range:	7 to 10
Maximum Temperature:	100°C
Swelling Factor:	23%

**GENERAL INFORMATION:** Prepared by the suspension polymerization of styrene and divinyl benzene followed by chloromethylation, aminolysis, and exchange of the chloride ions with hydroxyl ions. This macroporous resin finds application primarily in the removal of strong acids and for the removal of large organic ions from solution. The resin may be regenerated with sodium hydroxide solution followed by water rinsing.

**STRUCTURE:**