

GENERAL TECHNOLOGIES, SPC

- High-Quality Services & Products

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D730 - Cl

ACRYLIC MACROPOROUS STRONG BASE ANION EXCHANGE RESIN

(Designed for use in tannin and organics removal and decoloration applications)

Product Description

D730 is widely used in demineralization, organic scavenger (residential and industrial). D730 is a strongly basic, macroporous-type anion exchange resin based on an acrylic-divinylbenzene copolymer. Due to its acrylic structure, D730 provides superior resistance to organic fouling and has the unique ability to remove and release tannins during the service and regeneration cycles.

D730(Cl) is the resin of choice for residential and industrial water treatment systems where organic tannins are present.

Typical Physical, Chemical & Operating Characteristics

Polymer Structure	Macroporous Polyacrylic cross linked with Divinylbenzene
Physical Form and Appearance	Tough spherical beads
Whole Bead Count	90% Min.
Functional Groups	R-N ⁺ (CH ₃) ₃
Ionic Form (as shipped)	Cl ⁻
Shipping Weight, approx.	700 g/l (43 lb./ft. ³)
Mesh Size (U.S. Std)	16-50
Moisture retention, Na ⁺ form	65-75%
Total Capacity in Cl form	>0.8 meq/ml
pH Range, Stability	0-14

CHEMICAL AND THERMAL STABILITY

D730(Cl) resin is insoluble in dilute or moderately concentrated acids, alkalies, and in all common solvents. However, exposure to significant amounts of free chlorine, "hypochlorite" ions, or other strong oxidizing agents over long periods of time will eventually break down the crosslinking. Maximum operating temperature is 170 °F (77 °C).