

Macroporous Weak Base Anion Exchange Resin

Purolite® A133S has been developed to provide 20-25% more throughput per cycle than current commercial weak base anion resins using the same regeneration procedure - resulting in savings which EXCEED the cost of the resin itself.

Purolite® A133S has excellent color removal and osmotic shock resistance and gives superior performance in demineralization of glucose, dextrose, fructose, polyols, maltodextrin and other hydrolyzate syrups.

Basic Features:

Application	Demineralization / Decolorization of Glucose Solutions
Polymer Structure	Macroporous Polystyrene Crosslinked with Divinylbenzene
Appearance	Spherical Beads
Functional Group	Tertiary Amine
Ionic form as shipped	Free Base

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Free Base	1.80 eq/l
Total Capacity (min.)	Free Base	39.30 kGr/ft ³
Moisture Retention	Cl ⁻	46 - 51 %
SBC		10 - 20 %
Mean Size Typical		0.6 - 0.7 mm
Uniformity Coefficient (max.)		1.40
Reversible Swelling (max.)	FB → Cl ⁻	25 %
Specific Gravity		1.04 g/ml
Shipping Weight (approx.)		655 - 685 g/l
Shipping Weight (approx.)		40.9 - 42.8 lbs/ft ³
Temp Limit	OH ⁻	60 °C
Temp Limit	OH ⁻	140 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F

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pH Limits		0 - 14 (Stability)
pH Limits	H ⁺	0 - 9 (Operating)

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