



ANION EXCHANGE RESIN TOKEM-845

TR 2227-042-72285630-2015

Strong base anion exchange resin (gel type) with uniform particle size range in ready for operation form.

GENERAL DESCRIPTION

Matrix	styrene-DVB
Functional group	quaternary ammonium basic groups (type 1)
Polymer structure	gel
Ionic form	OH ⁻ hydroxyl

Область применения (according to Standard Protocol RD EO 1.1.2.25.0161-2009 and Industrial Standard STO 1.1.1.02.013.0715-2009):

- for using in anion exchange filters of special water treatment SVO-3,6 (advanced water product treatment), 7 in SCWR reactors;
- for using in anion exchange filters of special water treatment SVO-5 in SCWR reactors;
- for using in anion exchange regeneration filters of special water treatment SVO in LWGR reactors;
- for using in mix bed filters of condensate polishing systems in SCWR reactors together with cation exchange resin TOKEM-145-10 and TOKEM-145-16 in any water chemistry regime;
- for using in mix bed regeneration filters of special water treatment SVO in LWGR reactors together with cation exchange resin TOKEM-145-10;
- for using in mix bed filters of condensate polishing systems in LWGR reactors together with cation exchange resin TOKEM-145-10;
- for using in mix bed filters of water purification plants together with cation exchange resin TOKEM-145-10;
- for using in mix bed filters **COCTI** of SCWR reactors together with TOKEM-145-10(Na⁺).

Physical and Chemical Characteristics (according to Industrial Standard STO 1.1.1.07.003.0368-2011):

CHARACTERISTICS	STANDARD VALUE
Appearance	Spherical beads, white to light yellow in colour
Mean particle size, mm	0.60±0.05
Uniformity coefficient, max	1.1
Volume ratio of beads passing through N04 mesh, % max	1.0
Total uncracked beads as shipped, %, min	98
Osmotic stability, %, min	90
Total capacity, mmol/cm ³ (mg-eq/cm ³), min	1.1
Dynamic exchange capacity, mmol/m ³ , min	600
Moisture retention, %	50–55



Table con'd (Physical and Chemical Characteristics)

Product oxidation in oxygen equivalent, mg/l, max	0.5
Degree of conversion to OH ⁻ form, % min	95
Mean mechanical toughness, g/bead, min	450
Particles with toughness below 200 g/bead, %, max	5
Difference between settling times of anion and cation resins, sec, min-max	7-10
Electrostatic coefficient, % max	20