

TRILITE® UKC-10

Uniform Particle Size Acid Cation Exchange Resin

Rev 3. Feb 2023

TRILITE® UKC-10 is a UPS, SAC gel-type exchange resin with excellent ion removal capacity, which allows for the economical production of high-purity water. TRILITE® UKC-10 is a highly cross-linked product with outstanding physical and chemical strength, resulting in a low resin attrition rate over long-term use. It is supplied in its Na⁺ form.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Sulfonic acid
Ionic Form	Na ⁺	Total Capacity(eq/ℓ)	2.2 ↑
Shipping Density(g/ℓ)	850	Moisture Retention(%)	39~45
Particle Density	1.35	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	600±50	Swelling Rate(Na ⁺ →H ⁺ , %)	8
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	120 ↓	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~50

Regeneration

Regenerant	HCl, H ₂ SO ₄	Concentration(%)	HCl(4~10), H ₂ SO ₄ (1~4)
Level(g/ℓ)	50~200	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~6		

Applications

TRILITE® UKC-10 is widely used for industrial water softening and demineralization processes where oxidizing substances are introduced.

All information contained in brochure is not absolute rather than relative one, created under the controlled environment by Samyang Corporation. Therefore, Samyang Corporation has no legal responsibility with respect to any and all information provided in brochure.

Samyang's TRILITE Ion exchange resins are produced based on the ISO 9001, ISO 14001 certification.

Samyang Corporation, 31 Jong-ro 33-gil, Jongno-gu, Seoul, Korea Tel: (02)740-7732~7, Fax: (02)740-7140



<http://samyangtrilite.com>