

TRILITE® MCK-30

Uniform Particle Size Fine Mesh Strong Acid Cation exchange Resin

Rev.1 July 2018

TRILITE® MCK-30 Fine Mesh Strong Acid Cation Exchange Resin is a Gel Type Uniform Particle Size resin. TRILITE® MCK-30 is a standard crosslinkage product and it has outstanding mechanical and chemical stability, leading to low crush rate even after long-term use. TRILITE® MCK-30 is supplied by Na⁺ form.

Physical and Chemical Properties

Physical Form	Translucent spherical beads
Matrix	Styrene-DVB, Gel
Functional Group	Sulfonic acid
Ionic Form	Na ⁺
Total Capacity(eq/ℓ)	1.60 ↑
Moisture Retention(%)	52~55.5
Shipping Density(g/ℓ)	830
Uniformity Coefficient	1.1 ↓
Particle Size(mm)	0.20 ~ 0.24 (85% ↑)
Mean Particle Size(mm)	0.22
Whole Beads(%)	95 ↑
Total Swelling (Na ⁺ to H ⁺ %)	10

Recommended Operating Conditions

Operating Temp(°C)	120
pH Range	0~14

Applications

TRILITE® MCK-30 is recommended for special softening facility and Sugar Refining etc.

Hydraulic Characteristics

Figure 1 shows the backwash expansion of TRILITE® MCK-30 as a function of flow rate and temperature.

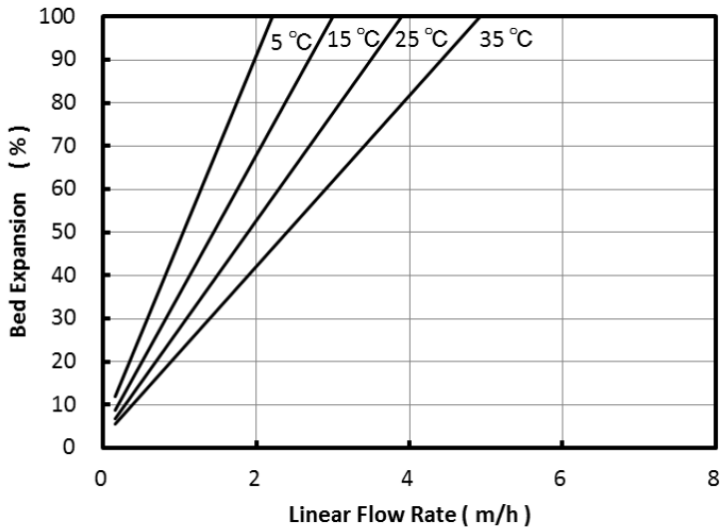


Figure 1. Backwash Expansion of TRILITE® MCK-30

Figure 2 shows the pressure drop of TRILITE® MCK-30 as a function of flow rate and water temperature.

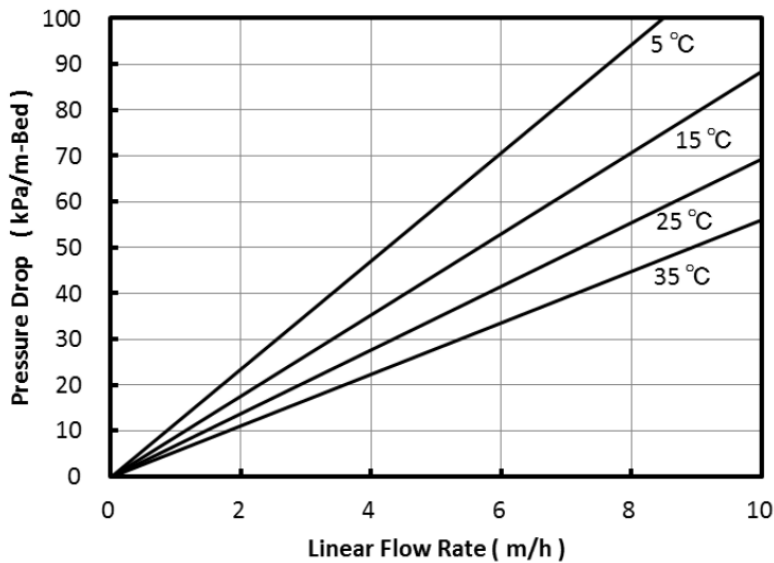


Figure 2. Pressure Drop of TRILITE® MCK-30

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>