

# TRILITE® AW80

Weak Base Anion Exchange Resin, Macroporous

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TRILITE® AW80 is a WBA porous-type UPS exchange resin with excellent ion removal capacity, which allows for the economical production of high-purity water. TRILITE® AW80 has outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in its FB (Free Base) form.

## Physical and Chemical Properties

Matrix	Polystyrene+DVB, Porous	Functional Group	Type 1 (Tertiary Amine)
Ionic Form	Free Base	Total Capacity(eq/ℓ)	1.6 ↑
Shipping Density(g/ℓ)	670	Moisture Retention(%)	55~60
Particle Density	1.04	Uniformity Coefficient	1.2 ↓
Particle Size(μm)	400~600	Swelling Rate (FB→Cl <sup>-</sup> , %)	23
Whole Beads(%)	95 ↑		

## Recommended Operating Conditions

Operating Temp(°C)	60 ↓	pH Range	0-9
Bed Depth(mm)	700	Service Flow Rate(m/h)	5~60

## Regeneration

Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	30~120	Flow Rate(m/h)	2~8
Rinse Requirement(BV)	2~8		

## Applications

AW80 is used in combination with SBA exchange resins in layered bed water treatment systems and other applications.

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