

Lanlang® TY MB-E

Mixed Bed Resin

Used for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation and beverage industry



PRODUCT DESCRIPTION

Lanlang® TY MB-E is a high quality resin mixture composed of strong acid cation resin in H⁺ form and strong base type 1 anion resin in OH⁻ form. Ready to use as supplied. It is designed for all mixed bed deionization applications that require high resistivity and high capacity. It is particularly well suited for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation and beverage industry.

BASIC FEATURES

Application:	Deionization applications for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation and beverage industry
Polymer matrix structure:	Gel polystyrene crosslinked with divinylbenzene (DVB)
Appearance:	Amber, spherical beads
Functional Group:	Sulfonic Acid / Quaternary Ammonium, Type 1
Ionic form as shipped:	H ⁺ / OH ⁻

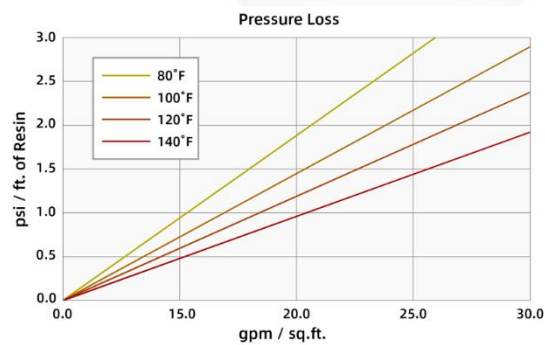
SUGGESTED OPERATING CONDITIONS

NO.	ITEM	SPEC
1	Max operating temperature	60°C / 140°F
2	PH range	2-12
3	Minimum bed depth	>600mm
4	Maximum pressure loss	25 psi
5	Service flow rate	8-40 BV/h

PHYSICAL AND CHEMICAL PROPERTIES

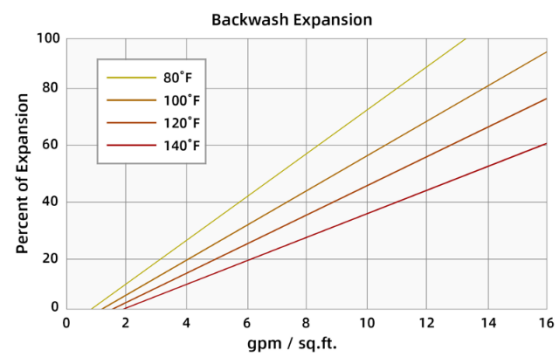
NO.	ITEM	SPEC
1	Total exchange capacity Cation/Anion (eq/L)	≥1.9/≥1.0
2	Moisture retention (%)	55-60
3	Particle size range (%)	0.40-1.25mm≥95
4	Whole uncracked beads after attrition (%)	≥95
5	Shipping weight (g/ml)	0.69-0.75
6	Volume ratio Cation/Anion	40%/60%
7	Uniformity coefficient	<1.7

HYDRAULIC PROPERTIES



PRESSURE LOSS

The graph above shows the expected pressure loss of Lanlang TY MB-E per foot of bed depth as a function of flow rate at various temperatures.



BACKWASH

The graph above shows the expansion characteristics of Lanlang TY MB-E as a function of flow rate at various temperatures.