

Lanlang® TY MB-I(P)

Color Indicated Mixed Bed Resin

Used for Cleaning Industry, Spotless rinsing, Aquarium



PRODUCT DESCRIPTION

Lanlang® TY MB-I(P) is a high quality resin mixture composed of purple colored indicating strong acid cation resin in H⁺ form and strong base type 1 anion resin in OH⁻ form. Ready to use and one-way use as supplied. It utilizes a pH indicator dye in the cation component that changes color from purple to yellow as the resin exhausts. It is intended for use in applications where a color indication of resin exhaustion is desired.

BASIC FEATURES

Application:	General purpose deionizing applications for window/vehicle washing, Aquarium, dental equipment and laboratory application
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 ⁻

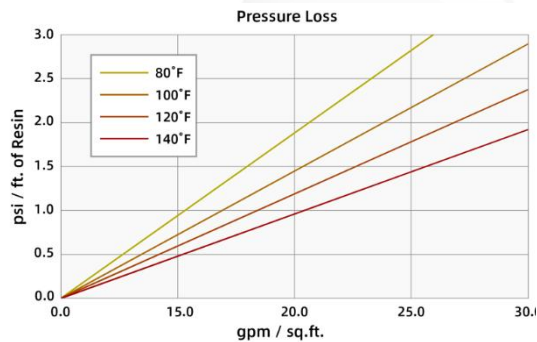
SUGGESTED OPERATING CONDITIONS

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

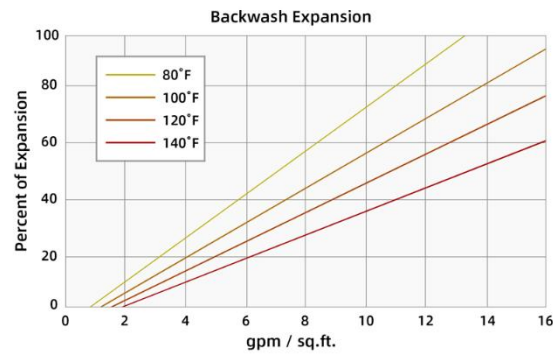
NO.	ITEM	SPEC
1	Total exchange capacity Cation/Anion (eq/L)	≥1.9/≥1.0
2	Moisture retention (%)	55-60
3	Particle size range (%)	0.315-1.25mm≥95
4	Whole uncracked beads after attrition (%)	≥95
5	Shipping weight (g/ml)	0.69-0.75
6	Volume ratio Cation/Anion (%)	40/60
7	Uniformity coefficient	<1.7

HYDRAULIC PROPERTIES



PRESSURE LOSS

The graph above shows the expected pressure loss of Lanlang TY MB-I(P) 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-I(P) as a function of flow rate at various temperatures.