PRODUCT DATA SHEET

AMBERLITE™ FPX66

Food Grade Adsorbent Resin

For Juice Upgrading and Improved Decolourisation

AMBERLITE FPX66 is a macroreticular, non-fuctionalised adsorbent resin designed for the juice processing market where local regulations allow for such use.
AMBERLITE FPX66 can also be used for a wide variety of food processing applications to both recover high value materials and to purify and decolourise food and food additive streams.

AMBERLITE FPX66 has excellent physical resistance and thermal stability making it ideal for use in column based systems over a large number of process cycles.

PROPERTIES

Physical form	White beads
Matrix	Macroreticular aromatic Polymer
Moisture holding capacity [1]	60 to 68 %
Shipping weight	680 g/L
Specific gravity	1.015 to 1.025
Particle size	
Uniformity coefficient[1]	≤ 2.0
Harmonic mean size[1]	0.600 - 0.750 mm
Fine content[1]	< 0.300 mm : 3.0 % max
Coarse beads[1]	> 1.180 mm : 5.0 % max
Surface area[2]	≥ 700 m^2/g
Porosity[2]	≥ 1.4 cc/g
DVB content[1]	< 50 ppb

[1] Contractual values
[2] Values based on statistical control

Test methods available upon request

SUGGESTED OPERATING CONDITIONS

pH range	0 - 14
Maximum operating temperature	150°C
Minimum bed depth	700 mm
Flow rate	
Loading step usually	2 to 16 BV*/h
Washing step	1 to 2 BV/h
Regeneration step	1 to 2 BV/h
Rinse step	2 to 16 BV/h

Regenerants: Methanol or other water miscible organic solvents (ethanol, acetone, isopropanol, etc.)
Dilute bases and/or dilute acids
Hot water or steam for volatile materials

** 1 BV (Bed Volume) = 1 m^3 solution per m^3 resin*

FOOD PROCESSING

As governmental regulations vary by country, it is recommended that potential users seek advice from their AMBERLITE representative in order to determine the best resin choice, optimum operating and regeneration conditions.

HYDRAULIC CHARACTERISTICS

Figure 1 shows the bed expansion of AMBERLITE FPX66 as a function of backwash flow rate and water temperature. Figure 2 shows the pressure drop data for AMBERLITE FPX66 as a function of service flow rate. Pressure drop data are valid at the start of the service run with a clear water and a correctly classified bed.

Figure 1: Bed Expansion

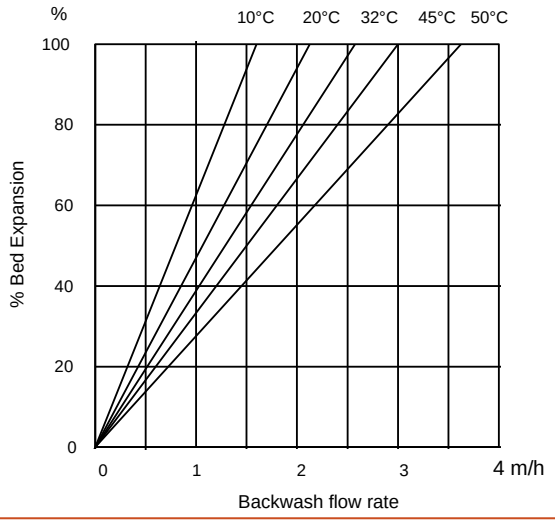
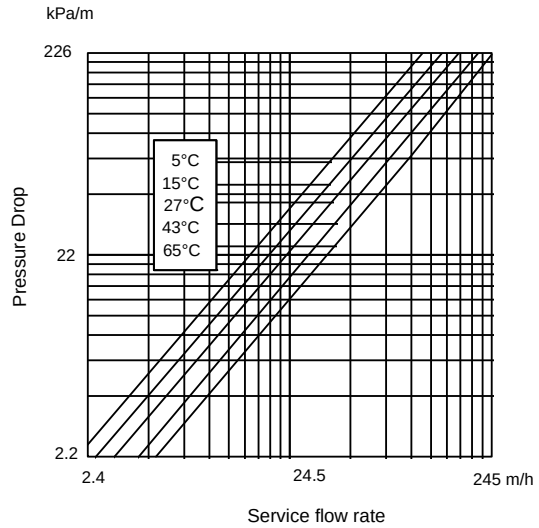


Figure 2: Pressure Drop



All our products are produced in ISO 9001 certified manufacturing facilities.

Rohm and Haas/Ion Exchange Resins - Philadelphia, PA - Tel. (800) RH AMBER - Fax: (215) 409-4534
Rohm and Haas/Ion Exchange Resins - 75579 Paris Cedex 12 - Tel. (33) 1 40 02 50 00 - Fax : 1 43 45 28 19

http://www.amberlitefp.com

ROHM AND HAAS