

PRODUCT DATA SHEET

AMBERLITE™ RF14

Industrial Grade Inert Polymer

AMBERLITE RF14 resin is an inert polymer with a specific gravity lower than that of water. It has been developed for use as an upper layer in upflow

operated ion exchange systems, such as floating beds. The suffix RF means "Reverse-flow".

PROPERTIES

Physical form _____	Colourless, translucent uniform cylinders
Matrix _____	Polypropylene
Specific gravity _____	0.90
Shipping weight _____	500 to 580 g/L
Particle size _____	Diameter: 1.2 to 1.5 mm
	Length: 1.3 to 1.7 mm
Physical characteristics _____	Hard, attrition resistant

Test methods available upon request

SUGGESTED OPERATING CONDITIONS

Maximum operating temperature _____	100°C
Minimum bed depth _____	150 mm

APPLICATIONS

Typical uses for AMBERLITE RF14 resin are as follows:

1. Floating beds, totally or partially compacted, with upflow service run.
2. Conventional beds, with downflow service and upflow regeneration.

In both cases, AMBERLITE RF14 resin is used as an upper layer to prevent the finer active resin from blocking the strainers. This layer

also improves the distribution or collection of water or regenerant above the resin bed.

LIMITS OF USE

AMBERLITE RF14 resin is suitable for industrial uses. For other specific applications such as pharmaceutical, food processing or potable water applications, it is recommended that all potential users seek advice from Rohm and Haas in order to determine the best resin choice and optimum operating conditions.

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

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Ion exchange resins and polymeric adsorbents, as produced, contain by-products resulting from the manufacturing process. The user must determine the extent to which organic by-products must be removed for any particular use and establish techniques to assure that the appropriate level of purity is achieved for that use. The user must ensure compliance with all prudent safety standards and regulatory requirements governing the application. Except where specifically otherwise stated, Rohm and Haas Company does not recommend its ion exchange resins or polymeric adsorbents, as supplied, as being suitable or appropriately pure for any particular use. Consult your Rohm and Haas technical representative for further information. Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Nitric acid and other strong oxidising agents can cause explosive type reactions when mixed with Ion Exchange resins. Proper design of process equipment to prevent rapid buildup of pressure is necessary if use of an oxidising agent such as nitric acid is contemplated. Before using strong oxidising agents in contact with Ion Exchange Resins, consult sources knowledgeable in the handling of these materials.

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