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AMBERLITE™ RF14

Industrial Grade Inert Polymer

Introduction

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 |

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.

For more information about DOW™ resins, call the Dow Water & Process Solutions business:

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