

IP-1

Inert Polymer

(FOR HYDRAULICALLY EFFICIENT TOP COLLECTOR SYSTEMS)

Technical Data

PRODUCT DESCRIPTION

Purolite IP-1 is an inert plastic material with a specific gravity lower than that of water capable of floating just above the ion exchange bed.

It has been developed for use as an upper layer in downflow service - upflow regeneration packed bed ion exchange systems, such as the **PACKLITE** system. In particular it prevents the finer active resin from reaching the strainer nozzles while allowing any insoluble matter trapped within the resin bed during the loading cycle to be passed out during regeneration.

The use of a layer of **Purolite IP-1** also improves the distribution of water and the collection of the spent regenerant in the top part of the vessel.

Typical Characteristics

Polymer Matrix Structure	Polvethylene
Appearance	Beadlike droplets
Specific Gravity	0.91 - 0.95
Shipping Weight approx.	540-560 ka/m ³ (34-35 lb/ft ³)
Particle Size Range	2.5 - 4.0 mm
Operating Temperature (max) : in water	100°C (212°F)
Physical Stability	Hard, attrition resistant
Chemical Stability	Insoluble in common acids and bases
pH Limits	None