



DOWEX IF-59

A Floating Inert Resin Specially Designed for use in Upflow Service Ion Exchange Packed Bed Counter-Current Regeneration Systems

Product	Type	Matrix	Functional group
DOWEX* IF-59	Inert resin	Polypropylene	None

Typical Physical and Chemical Properties

Bead size distribution [†]			
Range 1.0 - 1.7, mm (18 mesh - 12 mesh)	%		95
<1.0mm, max. (18 mesh)	%		1
Particle density		g/ml	0.97
Shipping weight		g/l lbs/ft ³	560 35

Recommended Operating Conditions

Maximum operating temperature:	100°C (212°F)
pH range	0-14
Bed depth, min.	150 mm (6")
Flow rates: Service	5-60 m/h (2-24 gpm/ft ²)

[†]For additional particle size information, please refer to the Particle Size Distribution Cross Reference Chart (Form No. 177-01775/CH 171-476-E).

DOWEX

Ion Exchange Resins

For more information about DOWEX resins,
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Typical properties and applications:

DOWEX* IF-59 resin has a density less than water which insures it stays above the ion exchange resin bed. It protects the collector system

against blockage and prevents resin fragments from being flushed from the bed during the service cycle.

Packaging

25 liter bags.

Warning: Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

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Published October 1998.



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Form No. 177-01632-1098XQRP
CH 171-359-E-1098R