

Nominal Rejection Characteristics of Thin Film Composite Reverse Osmosis Membranes

Ion	% Rejection*	Ion	% Rejection*
Calcium	93-99	Bromide	90-95
Sodium	92-98	Phosphate	95-98
Magnesium	93-98	Cyanide	90-97
Potassium	92-96	Sulfate	96-99
Manganese	96-98	Thiosulfate	96-98
Iron	96-98	Silicate	92-95
Aluminum	96-98	Silica	90-98
Copper	96-99	Nitrate	90-95
Nickel	96-99	Boron	50-70
Cadmium	93-97	Borate	30-50
Silver	93-96	Fluoride	92-95
Zinc	96-98	Polyphosphate	96-98
Mercury	94-97	Orthophosphate	96-98
Hardness Ca&Mg	93-97	Chromate	85-95
Radioactivity	93-97	Bacteria	99+
Chloride	92-98	Lead	95-98
Ammonium	80-90	Arsenic	50-90

Nominal Rejection Characteristics of Cellulose Triacetate Reverse Osmosis Membranes

Ion	% Rejection*	Ion	% Rejection*
Sodium	90-95	Lead	94-96
Calcium	92-95	Chloride	90-95
Magnesium	94-97	Bicarbonate	85-95
Potassium	85-95	Nitrate	50-70
Iron	92-96	Fluoride	85-90
Manganese	92-96	Silicate	80-90
Aluminum	95-98	Phosphate	95-97
Ammonium	85-90	Chromate	80-90
Copper	96-98	Cyanide	80-90
Nickel	96-98	Sulfite	94-96
Zinc	96-98	Thiosulfate	94-97
Strontium	95-97	Ferrocyanide	96-98
Cadmium	95-97	Bromide	85-90
Silver	90-95	Borate	25-50
Mercury	94-96	Sulfate	96-98
Barium	94-96	Arsenic	90-95
Chromium	94-96	Selenium	90-95

The above percent rejection is for reference only. Actual rejection will depend heavily on the exact chemistry, temperature, pressure, and TDS content of the feed water.