

MEMBRANE REJECTION CHARACTERISTICS

NOMINAL REJECTION CHARACTERISTICS OF THIN FILM COMPOSITE REVERSE OSMOSIS MEMBRANES*

ION	% REJECTION
Calcium	93-98
Sodium	92-98
Magnesium	93-98
Potassium	92-96
Manganese	96-98
Iron	96-98
Aluminum	96-98
Copper	96-98
Nickel	96-98
Cadmium	93-97
Silver	93-96
Zinc	96-98
Mercury	94-97
Hardness Ca & Mg	93-97
Radioactivity	93-97
Chloride	92-95
Ammonium	80-90

ION	% REJECTION
Bromide	90-95
Phosphate	95-98
Chromate	85-95
Cyanide	85-95
Sulfate	96-98
Thiosulfate	96-98
Silicate	92-95
Silica	80-90
Nitrate	90-95
Boron	50-70
Borate	30-50
Fluoride	92-95
Polyphosphate	96-98
Orthophosphate	96-98
Chromate	85-95
Bacteria	99 +
Lead	95-98

NOMINAL REJECTION CHARACTERISTICS OF CELLULOSE TRIACETATE REVERSE OSMOSIS MEMBRANES*

ION	% REJECTION
Sodium	90-95
Calcium	92-95
Magnesium	94-97
Potassium	85-95
Iron	92-96
Manganese	92-96
Aluminum	95-98
Ammonium	85-90
Copper	96-98
Nickel	96-98
Zinc	96-98
Strontium	95-97
Cadmium	95-97
Silver	90-95
Mercury	94-96
Barium	94-96
Chromium	94-96

ION	% REJECTION
Lead	94-96
Chloride	90-95
Bicarbonate	85-95
Nitrate	50-70
Fluoride	85-90
Silicate	80-90
Phosphate	95-97
Chromate	80-90
Cyanide	80-90
Sulfite	94-96
Thiosulfate	94-97
Ferrocyanide	96-98
Bromide	85-90
Borate	25-50
Sulfate	96-98
Arsenic	90-95
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. If you have any questions, please contact us.