

SnowPure Water Technologies 130-A Calle Iglesia San Clemente, CA 92672 USA +1.949.240.2188 membranes @snowpure.com

		Excellion™	
MEMBRANE SPECIFICATIONS		CATION MEMBRANE	ANION MEMBRANE
MEMBRAIL OF COLIFICA	110110	p/n I-100, MI-100	p/n I-200, MI-200
MEMBRANE TYPE		Heterogeneous, PP-based	Heterogeneous, PP-based,
		Strong Acid	Strong Base, Type I
CHEMICAL FORM		Na(+) Form	CI(-) Form
STANDARD WIDTH, DRY:	INCHES	13	13
	CM	33	33
STANDARD LENGTH, DRY:	FEET	Up to 100	Up to 100
	METERS	Up to 30.5	Up to 30.5
MEMBRANE THICKNESS,	INCHES	0.0130 - 0.0140	0.0125 - 0.0135
DRY:	MM	0.33 - 0.35	0.32 - 0.34
ELECTRICAL RESISTANCE		(ohm-cm ² , DC)	(ohm-cm ² , DC)
0.5N NaCl		9.5 – 14.5	7.5 – 12.5
WATER PERMEABILITY ml/min/cm²/psi		Less than 0.0005	Less than 0.0005
MULLEN BURST TEST	TYPICAL	44 – 47 PSI	41 – 44 PSI
	MINIMUM	15 PSI	15 PSI
TOTAL CAPACITY	meq/sqm	Maximum 400 – 500	Maximum 700 – 900
NORMAL TEMPERATURE STA	BILITY		
H/OH form		90°C	60°C
Na/Cl form (as supplied)		90°C	90°C
CHEMICAL STABILITY @ 50°C			
Up to 36% H ₂ SO ₄ , HCL		Stable	Stable
Up to 35% NaOH		Stable	Stable
	pH 0 – 14	Stable	Stable
PHSYICAL STABILITY USING CHEMICALS			NaOH under 8% to avoid osmotic shock
		• Excellion™ should be preconditioned by expanding in 85 – 90°C DI water for 48 hours.	
NOTES:		Membranes swell 15 – 25% in all dimensions when preconditioned.	
		Custom ion-exchange membranes can be made on request.	

Manufactured under US Patents 6,503,957 and 6,716,888.

GENERAL LIMITED WARRANTY

Excellion Ion Exchange Membranes are offered for sale and warranted, as indicated below, by SnowPure LLC.

All information included herein falls within the normal range of product properties and is based on technical data that SnowPure believes to be reliable. This information should not be used to establish specification limits, nor used alone as the basis of design. It is the user's responsibility to determine the suitability of the product described in this bulletin and that the user's particular conditions of use present no health or safety hazards. Product samples are routinely offered by SnowPure to establish suitability and conditions of use, both of which are the sole obligation of the user.

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In the event of a claim under the foregoing warranty, SnowPure's sole obligation shall be to replace any product or part thereof that proves defective in material or workmanship provided the customer notifies us of any such defect within 30 days of delivery. The membrane in question must be returned to SnowPure for review and testing only with prior authorization. SnowPure shall not be liable for consequential, incidental or any other damages resulting from economic loss or property damages sustained by user from the use of its products.

Customer agrees that if exported, these commodities will be exported from the United States in accordance with U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

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