

SnowPure Excelliontm

Ion Exchange Membranes

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TYPICAL SPECIFICATIONS	Excellion TM	
	CATION MEMBRANE I-100	ANION MEMBRANE I-200
MEMBRANE TYPE	Heterogeneous, Strong Acid	Heterogeneous, Strong Base, Type I
CHEMICAL FORM	Na-Form	Cl-Form
STANDARD WIDTH, DRY:	INCHES CM	13 33
STANDARD LENGTH:, DRY	FEET METERS	Up to 100 Up to 30.5
MEMBRANE THICKNESS: (DRY)	INCHES MM	0.0125 – 0.0135 0.32 – 0.34
ELECTRICAL RESISTANCE 0.5N NaCl	(ohm-cm ² , DC) 7.5 – 12.5	(ohm-cm ² , DC) 5 - 10
WATER PERMEABILITY ml / hr / ft ² / 5psi	Less than 1	Less than 1
MULLEN BURST TEST	TYPICAL MINIMUM	44-47 PSI 15 PSI
TOTAL CAPACITY	meq/gm	Measured as required
NORMAL TEMPERATURE STABILITY H/OH form Na/Cl form (as supplied)	90°C 90°C	60°C 90°C
CHEMICAL STABILITY @ 50°C Up to 45% H ₂ SO ₄ Up to 45% HCl Up to 35% NaOH pH 0-13	Stable Stable Stable Stable	Stable Stable Stable Stable
NOTES:	<ul style="list-style-type: none"> • EXCELLIONTM should be preconditioned by expanding in 85-90°C DI water for 24-48 hours. • 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.

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