

FORBLUE™ S-SERIES S-2301

Fluorinated cation exchange membrane for electrolysis and electro-dialysis

Features of S-2301

- It features cation selective permeability and is good for a system with impurities.
- All materials that make up the membrane (including the reinforcing fabric) are made from fluorinated resins - as a result robust chemical resistance is ensured.
- S-2301 is reinforced by special PTFE fabric and has high strength and is easy to handle.
- Dry and wet types are both available.
- WN grade, a wet type membrane, is recommended if it is always in contact with any liquid.
- A counter ion can be replaced by a pretreatment.

Properties

Item	Unit	Sx-2301DH	S-2301WN
Counter ion	–	H ⁺	Na ⁺
Condition	–	Dry	Wet
Size	mm	Only 300 × 300	300 × 300 or any size
Thickness *1	μm	280	330
Tensile strength (Dry) *2	N/cm	90	-
Tensile strength (Wet) *2	%	-	90
Ion exchange capacity *3	meq/g	1.0	1.0
Moisture content of polymer (H ⁺) *4	wt%	35	35
Moisture content of membrane at the time of shipping (Na ⁺) *5	wt%	5 (H ⁺)	15 (Na ⁺)

*1 Values are test data, without guarantee. DH data shows dry state thickness and WN data shows wet state thickness.

*2 Test method: JIS 7127

*3 Test method: AGC original

*4 Evaluated the value after replacing the counter ion to H⁺ and immersion in water, 100°C, 1hr

*5 Evaluated the value in 25°C, 50% R.H. in each product state at the time of shipping

NOTE

The statements and data given in this publication are believed to be accurate. They are presented without any guarantee or warranty, express or implied. Statements or suggestions regarding the use of these products are made without representation or warranty that all safety measures are indicated.

Please refer to the SDS (Safety Data Sheet) for safety and details.

This product is not designed for use in the implantation of the human body or for medical applications that come in contact with body fluid or body tissues, AGC carries out no test as to the fitness of the product for any medical applications.

The contents are subject to change without prior notice.