Anion Exchange Membrane For Laboratory Use

Item Number: BC-21

Introduction

Anion exchange membranes (AEMs) are semipermeable membranes, usually made of ionomers, designed to conduct anions but reject gases such as oxygen or hydrogen.

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Product number	Thickness	Available Size
A15-HCO3	15 microns	
A20-HCO3	32 microns	
A32-HCO3	40 microns	5*5cm; 5*10cm; 10*10cm; 20*10cm; 20*20cm; 30*10cm; 30*15cm
A40-HCO3	60 microns	
A80-H29316	80 microns	
A15R-HCO3	15 microns	5*7cm; 10*7cm; 14*10cm; 28.5*10cm;
PiperION A5 ionomer solid	PiperION-A5-HCO3 0.8g	1 bottle/half bottle

Thickness and Basis Weight	Typical Thickness (um)	Basis Weight (g/m²)
A20-HCO3	20	22.6
A40-HCO3	40	45.2
A80-HCO3	80	90.4

Physical Properties	Typical Vaiue
Tensile Strength(MPa)	
A20-HCO3	>30
A40-HCO3	>50
A80-HCO3	>50
Young's Modulus	
A20-HCO3	>30
A40-HCO3	>50
A80-HCO3	>50
Elongation at Break (%)	
A20-HCO3	>20
A40-HCO3	>60
A80-HC03	>100
Specific Gravity	1.13

Other Properties	
IEC(meq/g)	2.35
Conductivity(mS·cmOH80℃)	150

Hydrolytic Properties	Typical Value
Swelling Ratio(%80°C 1M KOH)	8
Water Uptake(%80℃1MKOH)	50