

Anion Exchange Membrane

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.

[Learn More](#)

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/m ²)
A20-HCO3	20	22.6
A40-HCO3	40	45.2
A80-HCO3	80	90.4
Physical Properties	Typical Value	
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-HCO3	>100	
Specific Gravity	1.13	

Other Properties

IEC(meq/g) 2.35

Conductivity(mS·cmOH80°C) 150

Hydrolytic Properties

Typical Value

Swelling Ratio(%80°C 1M KOH) 8

Water Uptake(%80°C1MKOH) 50