STABLE PERFORMANCE FROM DAY ONE

SEPURAN® N₂ is a hollow fiber gas membrane that is used to produce nitrogen by removing oxygen from compressed air, resulting in N₂ purities between 95–99.5%. The polymer is tailored for nitrogen generation and a special post-treatment process of crosslinking enhances performance stability. Unlike other gas separation membranes, with typical decreases in performance over time, SEPURAN® N₂ membranes are characterized by an extremely stable performance.

STABLE PERFORMANCE THROUGHOUT THE MEMBRANE LIFETIME

Onsite testing and monitoring of 4” SEPURAN® N₂ membranes showed that Evonik membranes give steady performance and do not age, regardless of operating conditions. Onsite testing for 30,000 hours at high temperatures and for 8,500 hours at high pressures showed extremely stable performance regarding N₂ production and air consumption. No change in performance, flux, productivity or selectivity was observed. For your application, you can count on the original performance throughout the life of the membrane.

STABLE PERFORMANCE AT HIGH TEMPERATURE: DATA AT 3 BARG; 60°C; 30,000 HOURS

Long term operational data shows no significant change in flux/productivity or selectivity at 60 °C. The air consumption and N₂ production remains steady.

STABLE PERFORMANCE AT HIGH PRESSURE: DATA AT 12.5 BARG INLET; 99% N₂; 23°C; 5500 HOURS

Long term operational data shows no significant change in flux/productivity or selectivity at 12.5 barg. The air consumption and N₂ production remains steady.
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