







THE SPECIAL ONE!

SEPURAN® NG is an especially selective and robust hollow-fiber membrane, which is based on a high-performance polymer that can withstand extreme pressure and temperatures.

This enables particularly selective separation of the sour gases from the natural gas, high tolerance of the higher hydro carbons contained in the natural gas, and consistently high performance of the membrane throughout its lifetime. Overall, Evonik's innovative separation technology features significantly increased recovery of methane, which has a corresponding effect on the profitability of natural gas processing plants.

Amine
Membrane + Amine

2 10 20 30

CO₂ feed concentration (%)

The membrane is designed for the challenging process conditions of natural gas processing with complex gas compositions and typical pressure and temperature conditions up to 70 °C. It can be used particularly effectively in natural gas sources with a high concentration of carbon dioxide because, under these conditions, the separating properties of the membrane remain intact.

Increasing performance

Performance improvements in membranes makes them more competitive to amines.



PERMEATE

FEED



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