

ABSTRACT

Electrolytic production of chlorine, alkali and hydrogen

Kozhushko E. O. Kyiv: NTUU «KPI», ChTF, group ChE-51s.

Coursework, 2015, pages – 70, tables – 13, pictures – 5, sources – 12, applications – 3.

A term paper on the production chlorine, alkali and hydrogen. The physical and chemical properties of chlorine, its use in manufacture of plastics and methods of obtaining. The selection and description of the electrolyzer design type BGK-100 and the technological scheme of obtaining chlorine, alkali and hydrogen diaphragm method. Calculations diaphragm electrolyzer BGK-100 with the current load of 100 kA. Calculated balance of current, voltage and power, heat and material balances and account index.

DIAPHRAGM ELECTROLYZER, CHLORINE, ALKALI, HYDROGEN,
ELECTROLYZER BGK-100, DSA, CURRENT BALANCE, VOLTAGE
BALANCE, MATERIAL BALANCES, HEAT BALANCES, DISCHARGE
COEFFICIENT