

CASE STUDY

KWO® MultiTex® Gasket Hydrogen Industry

KWO®
experts in ePTFE

PRODUCT

KWO® MultiTex® 2.0 Gasket.

INDUSTRIAL SECTOR

Hydrogen Industry, OEM Electrolyzer manufacturer.

APPLICATION

Application of KWO® MultiTex® Gasket thk. 0,5 mm.

PROBLEM DEFINITION

An OEM in the hydrogen sector approached us during the prototype phase of their next-generation PEM electrolyzer. They were facing critical issues with the mechanical performance of the standard PTFE gasket they had initially selected.

SOLUTION AND RESULT

After carefully analyzing the application, we proposed KWO® MultiTex® Gasket thk. 0,5 mm: ePTFE MultiTex is a material specifically engineered for high-demand environments like hydrogen production.

APPLICATION PARAMETERS

Material: Stainless Steel.
Operating temperature: 90° C
Operating pressure: prototype testing 5-10 bar
Medium: Hydrogen
Flange form/diameter: Custom gaskets
Sealing surface : -
Bolts: -
Previous seal: PTFE gasket.

