



Product Application Guide

Electrolyser Stack Plates



Application Description

This precision engineered seal in combination with stainless steel or resin (PBT/PS) ensures secure gas separation and longevity in challenging environments of hydrogen production.

Its superior design makes it an indispensable component for stable stacks and thus efficient and sustainable electrolysis, driving the future of clean energy

Product Description

Our innovative **EBS "Edge Bonding Sealing Technology"** constitutes a significant advancement in electrolyser stack solutions in EPDM and FKM. Higher stability and defined surface pressure compared to flat sealing easier assembly compared to assembled O-rings or molded parts.

Our Added Values

- Seal Design / FEA
- Clean Materials Development
- Internal Testing / Aging / Sealing
- Test Rack
- Quick prototyping



Sealing Your Success

Disclaimer: In general, the enclosed information, recommendations or advice are given in a good faith. GITIS srl gives no warranty that the same results can be obtained in other laboratories using different condition of preparation and evaluation of the samples.





GITIS specializes in the development, manufacturing and distribution of high-quality O-rings and seals for all applications with special requirements regarding temperature and media resistance, service life and product quality. Through innovation, technology and high reliability, **GITIS** has become the reliable partner for markets such as automotive, oil and gas, chemical, food and pharma.

With three plants in Italy and China as well as a development office in Germany, we can implement the experience of 40 years together with our customers in strategic growth sectors.

Sealing Your Success



Sede legale: **GITIS SRL**
 via Rocca, 4 - 24067 Sarnico - BG - ITALY
 Sede operativa: **GITIS SRL**
 via Colombara del Bosco, 26 - 25031 Capriolo - BS - ITALY
 www.gitis.it C.F. n. 00844470161 C.F: e P. Iva n. 00844470161
Averis GmbH - Hofener Straße 64 - 70736 Fellbach - GERMANY
 tel. +49 711 88872837 www.averis-lab.com
 HRB Stuttgart 757053 - Ust-ID: DE 306390337

-  **YOUR CONTACT ITALY**
 mail: sales@gitis.it - tel.: +39 030 7460665
-  **YOUR CONTACT CHINA**
 mail: sales@gitis.cn - tel.: +86 510 83835333
-  **YOUR CONTACT GERMANY**
 mail: sales.germany@gitis.it - tel.: +49 711 88872838
-  **YOUR CONTACT SOUTH KOREA**
 SOL MON KOREA - Gary Park, exclusive agent in Korea
 mail: solmonkorea@gmail.com - tel.: +82 10 45006116

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