Performance Materials for the Hydrogen Economy
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AGC Chemicals is dedicated to pursuing clean energy technologies to meet future demand while protecting our planet. In the hydrogen and fuel cell industries, we offer solutions throughout all five major stages of the production, generation, and distribution processes.
Powering the Hydrogen Energy Value Chain with AGC’s Advanced Technologies

3 H₂ Storage
- LUMIFLON for exterior tank coatings
- Fluon® ETFE for storage and transport hose lines; retrolined ETFE or PTFE for pump liners
- Fluon® PTFE for fuel cell feed humidification

4 H₂ Transport
- AFLAS® as sealing material in hydrogen valves
- Fluon® PTFE for tank and pipeline linings
- AFLAS® as a sealing material for hydrogen components
- EV or FHEV charging stations coatings

5 Mobility Conversion to Energy/Fuel Cells
- FORBLUE® S-SERIES for redox flow batteries
- FORBLUE® sunsep for fuel cell electrodes and membranes
- FORBLUE® i-SERIES ionomer dispersions for fuel cell electrodes and membranes

For more information, please visit us at agcchem.com
AGC Chemicals Company
AGC Inc.
Shin-Marunouchi Bldg.
1-5-1 Marunouchi
Chiyoda-ku, Tokyo
100-8405 Japan
Tel: +81-3-3218-5438
www.agc-chemicals.com

AGC Asia Pacific Pte., Ltd.
460 Alexandra Road
#32-01 mTower
Singapore 119963
Tel: +65 6273 5656
www.agc-asia pacific.com

AGC Chemicals Trading (Shanghai) Co., Ltd.
Room 2701-2705, Metro Plaza
555 Lou Shan Guan Road
Chang Ning Ward, Shanghai
China 200051
Tel: +86-21-6386-2211
www.agcsh.com

AGC Chemicals Europe, Ltd.
Hillhouse International
Fleetwood Road North
Thornton-Cleveleys
FY5 4QD
United Kingdom
Tel: +44 (0) 1253 209560
www.agce.com

AGC Chemicals Europe, Ltd.
Commercial Centre
World Trade Center, Zuiderplein 80
1077 XV Amsterdam, Netherlands
Tel: +31-(0)-20-880-41-70
www.agce.com

AGC Chemicals RUS
Russian Federation, 121596
Moscow, Gorbunova Street 2
Grand Setun Plaza, Bldg. 204, BC
5th Floor, Block B, Office B 504
Tel: +7-918-555-34-37
www.agce.com

AGC Vidros do Brasil Ltda.
Estrada Municipal Doutor Jaime
Eduardo Ribeiro Pereira, 500
Jardim Vista Alegre
Guaratinguetá, SP, Brasil
CEP 12523-671
Tel: +55 12 3127-7100
www.agcchem.com/pt-br/

AGC Chemicals (Thailand) Co., Ltd.
944 Mitrroom Office Tower, 14th Floor
Rama 4 Road, Wangmai Sub-District
Pathumwan District, Bangkok 10330
Thailand
Tel: +66-2-092-6499
www.acth.co.th

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AGC Chemicals Americas, Inc.
55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341
United States of America

www.agcchem.com
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