AGC is the world’s largest manufacturer of ETFE and uses a unique in-house film-forming process to convert its own ETFE resin into Fluon® ETFE FILM, an ultra-strong fluoropolymer film. By incorporating our innovative Fluon®ETFE Film into architectural facades not only creates iconic structures of beauty but also revolutionizes the building industry due to its unique features such as light transmission and solar heat control options, anti-stick surface and weatherability. The mechanical strength of our film allows it to replace glass as a viable alternative resulting in a flexible, light weight structure that is non-combustible and provides heat, chemical and UV resistance.

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01 TRANSPARENCY
- Stunning and innovative building design possibilities providing bright and open interior spaces
- High-quality visible light and full spectrum UV light to improve user experience
- Absorbs interior lighting conditions to yield a bright, natural playing field
- Retains transparency for a long period of time (30 years)

02 DESIGN FLEXIBILITY
- Lightweight and design flexibility for free form shapes
- Back lighting systems allow for multiple color variations for dramatic color changes
- Colored film and various print patterns also an option

03 ENERGY SAVING
- Multi-layer film options can provide additional thermal insulation
- Light transmission and solar heat gain control options are available

04 OPTIMIZING THE LIGHT CONDITIONS
- Colored film and print options can optimize the indoor environment
- Diffused light option allows for reduced shadows and scattered light to improve grass growth
- Diffused light provides a pleasant light effect forusers experience

05 LOW MAINTENANCE
- Excellent durability, resistant to diverse environmental conditions
- Low surface energy to provide stain resistance and self-cleaning
- Flame resistant, does not support combustion
- Wide range of service application temperatures

Comparison with galas

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<th>Color</th>
<th>Thickness (mm)</th>
<th>Weight (g/m²)</th>
<th>Visible Light (%)</th>
<th>Transmittance (%)</th>
<th>UV Light Transmittance (%)</th>
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Light transmittance chart by wavelength (Comparison with other materials)

Change in light transmittance with accelerated weathering test

Change in tensile strength and elongation with accelerated weathering test

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2. Means refer to the variability of data shown for safety and utility.

3. The contents are subject to change without notice.