

TRANSFLEX™

HL2 & HL3 CERTIFIED GANGWAY BELLOWS MATERIAL



 **Fenner** / High-Tech
Coated Fabrics

TRANSFLEX

A world leading provider of silicone materials designed to fit application requirements exactly, Fenner Critical Thermal Composites (CTC) has developed a range of specially constructed silicone composite Gangway Bellows materials, this Transflex portfolio offers the highest level of fire and smoke retardancy alongside an optimum balance of flexibility and robustness.

Fenner Precision Polymers is a global organisation with operations in the UK, US, China and India, part of the Michelin High Tech Materials Group.

As experts in reinforced coated textiles, mouldings and hoses for the most gruelling applications and environments, our unique capabilities cover calendering, fabric production, spread coating, and performance rubber compounding for new product development.

A long established supplier into the rail industry, Critical Thermal Composites is a primary supplier into many rail projects worldwide thanks to our ability to supply HL2 and HL3 approved materials in line with regional regulations for overground and underground requirements.

From years of working closely in alignment with our Clients we understand the critical characteristics required of Gangway Bellows and as such have designed in a range of key features and benefits to our materials, supporting the need for a delicate balance of flexibility and robustness while ensuring a safe and comfortable customer experience for rail passengers.



KEY FEATURES

- Custom thickness options
- Wide width formats for less waste and fewer joins
- Slit stock options as required
- Able to withstand extreme environments and temperatures operating between -40°C and 200°C
- Range includes dual colours (light / dark grey), alternative colours are also approved for a wide choice of inner and outer designs

KEY BENEFITS

- Silicone materials offering excellent fire and smoke retardancy are available in **HL2** and **HL3** certified grades, exceeding the most rigorous industry regulations
- Tested to withstand over **500,000 cycles**, over twice as long as competitors
- Highly flexible materials facilitate absorption of movement between carriages and give a longer service life
- Custom compounds and constructions enhance **flammability resistance, lower weight** as well as **improve insulation** and **sound attenuation**
- Designed to provide **increased durability, tear strength** as well as **puncture** and **abrasion resistance**

TESTED & ACCREDITED

As well as undergoing rigorous internal laboratory testing to ensure they meet the highest possible standards, CTC's Transflex materials have been approved by independent third party test houses and are officially certified to the most stringent railway standards for fire safety and protection;

- HL3 Accredited to EN45545-2 R1/R7
- HL3 Accredited to NFPA 130
- HL2 Accredited to EN45545-2 R1/R7
- HL2 Accredited to NFPA 130

COMPLEMENTARY PRODUCTS

- Gaiter material for protection against a wide range of media
- High Tear Strength silicone sheeting for vacuum moulding production of composite parts
- Mouldings
- Industry leading complex and high temperature silicone hoses for the most demanding applications





At Fenner Precision Polymers, A Michelin Group Company, we are proud to keep your business in motion. As a supplier of critical components and engineered solutions for conveying, motion control and power transmission applications, our trusted brands are recognized globally for providing unique solutions that solve complex problems and build sustainable growth. We strive to partner closely with you so we can always provide expert-level support and powerful results that keep our world moving forward.



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