

LIGHTWEIGHT & COMPLIANT



LEXAN™ SHEET SERIES FOR RAILWAY INTERIORS



SABIC INTRODUCES LIGHTWEIGHT AND COMPLIANT LEXAN™ SHEET SERIES FOR RAILWAY INTERIORS

These new LEXAN™ sheet series, combine a lightweight solution with high durability and excellent mechanical properties. The sheet products comply with major rail fire safety standards and contribute to a reduced CO₂ footprint. The new LEXAN sheet materials illustrate the Company's vast expertise as a pioneer in polymer solutions for safer and more sustainable railway interior solutions.

Compared to Fiber-Reinforced Plastics (FRP), the new LEXAN sheet series offers up to 30% weight savings per part. As an engineering thermoplastic material, it also provides superior freedom of design for cost-effective part integration and may also be used as a FRP and aluminum replacement. It delivers outstanding surface quality, including inherent anti-graffiti properties to make everyday maintenance easier.



COMPLIANCY

Meeting EN 45545-2, NFPA-130, UIC 564-2, TB/T 3237, NCD 1409 and DIN 5510-2 Rail Fire Safety Standards.



LIGHTWEIGHT

Outstanding lightweight advantages against Fiber Reinforced Plastics.



EASY TO CLEAN AND DISINFECT

Withstands repeated cleaning with most industry common cleaning agents.



DURABILITY

Long lasting and durable solution.



THERMOFORMABLE

Ease of processing and freedom of design in complex shapes.



STIFFNESS/MODULUS

Provides high stiffness.



EHSS

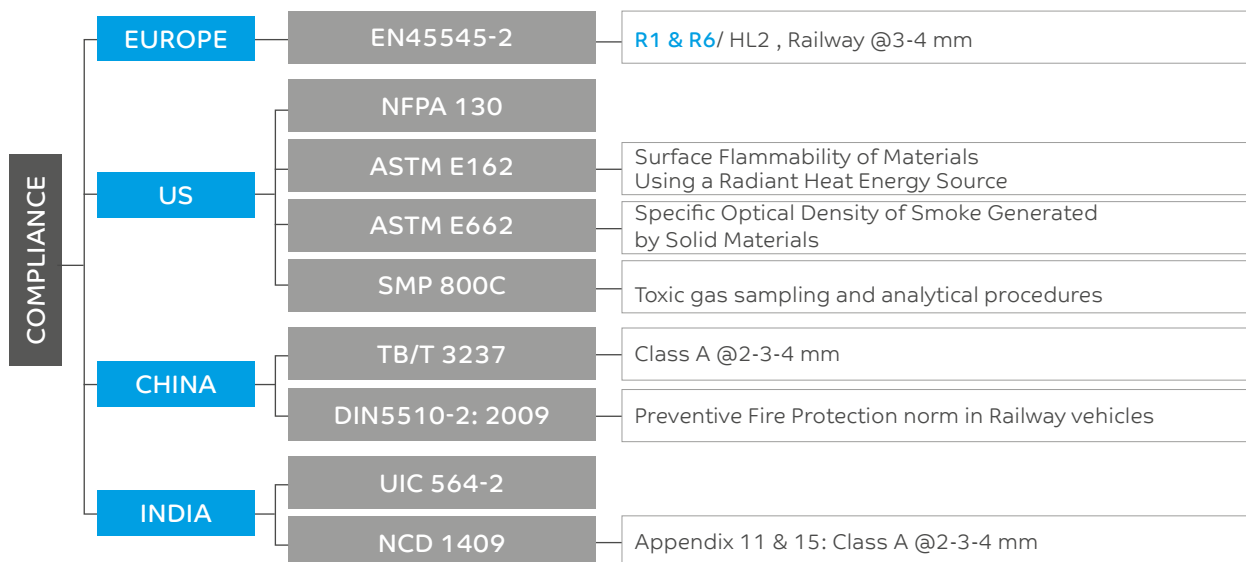
Clean and largely automated manufacturing process.



ENVIRONMENTAL FRIENDLY

Recyclable, low impact on carbon footprint (compared to metal).

In railway transportation, fire protection always has top priority and are designed to ensure compliance with standards. SABIC's latest polymer solution, LEXAN™ sheet series H6700, H6800 and H6900, provides light light-weighting, durability, aesthetics and is compliant to major railway flame, smoke, toxicity (FST) standards, including EN 45545-2, NFPA-130, UIC 564-2, TB/T 3237, NCD 1409 and DIN 5510-2.



There are potential applications for a wide range of large thermoformed railway interior components, such as:

- Wall and seat claddings
- Kickboards
- Window frames
- Partition walls
- Lavatory modules
- Ceilings



CONTACT US

SABIC Global Headquarters

PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
E info@sabic.com

Americas

SABIC Functional Forms
2500 CityWest Boulevard
Suite 100
Houston, Texas 77042
USA
T +1 800 323 3783
E spinside.sales@sabic.com

Europe

SABIC Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293684
E ff.info@sabic.com

Pacific

SABIC Functional Forms
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 20 2866 6168
E ff.info@sabic.com

THE MATERIALS, PRODUCTS AND SERVICES OF SABIC INNOVATIVE PLASTICS HOLDING BV, ITS SUBSIDIARIES AND AFFILIATES ("SELLER"), ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH CAN BE FOUND AT <http://www.sabic.com> AND ARE AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION OR RECOMMENDATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SELLER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SELLER'S PRODUCTS, SERVICES OR RECOMMENDATIONS. EXCEPT AS PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user is responsible for making its own determination as to the suitability of Seller's products, services or recommendations for the user's particular use through appropriate end-use testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. No statement by Seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of such product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with ™ are trademarks of SABIC or affiliates.

© Copyright 2022. All rights reserved.

