

TRANSPARENT, FLAME RESISTANT LEXAN™ SOLID SHEET SOLUTIONS FOR PUBLIC TRANSPORT PARTITIONS (RAIL VEHICLES, BUS & COACH)



As mass transit companies are starting to take active protective measures for passengers and staff, SABIC can assist with materials that support these distancing and protective measures. Transparent LEXAN™ polycarbonate sheets are ideal to facilitate the active separation of passengers and for increased driver and staff sneeze and spray protection. LEXAN sheet materials have already proven their value in operational use in multiple geographies in rail and bus applications like window glass replacement and signage coverings and now they offer new solutions related to COVID-19 safety applications. LEXAN sheet materials can be used for seat adaptations, compartmentation, driver protection screens, light diffusers, rider partition / protection panels, kiosks and ticket booth sneeze guards.

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|  | <p>EXCELLENT OPTICAL CLARITY Transparency up to 87-90%</p> |  | <p>COLD LINE BENDING The sheet can be cold-bended by a hydraulic press bending equipment to achieve high stiffness</p> |
|  | <p>HIGH IMPACT STRENGTH Virtually unbreakable and resistant to abrasion</p> |  | <p>FORMABILITY Cold curving and enables design freedom</p> |
|  | <p>EASY TO CLEAN AND DISINFECT withstands repeated cleaning with common hospital cleaning agents</p> |  | <p>EASY TO INSTALL ease of handling and installation</p> |
|  | <p>FLAME RETARDANT Excellent fire performance</p> |  | <p>LIGHTWEIGHT Outstanding lightweight advantages against glass</p> |

PRODUCT SOLUTIONS:

| Grade | Description | Solution for |
|---|--|---|
| LEXAN™ F2000 Sheet | Good flammability performance, light weight, excellent impact resistance, high optical quality, good stiffness and strength and ease of processing | Screen Barriers Protective Screens for drivers Sneeze guards Rider partition / protection panels |
| LEXAN™ MARGARD™ MR5FR Sheet/ LEXAN™ MARGARD™ MRX Sheet | Excellent flame retardant and mar resistant, high impact strength, dual hard coated surface and graffiti resistance. | Screen Barriers Protective Screens for drivers Sneeze guards Rider partition / protection panels |
| LEXAN™ FRA 25C Sheet | High impact resistant sheet, excellent abrasion resistant surface, meets the UMTA glazing guidelines and the FRA (Federal Railway Administration) Type I & II ballistic and impact requirements. | Screen Barriers Protective Screens for drivers Sneeze guards Rider partition / protection panels |

FLAME RETARDANCY

All mentioned transparent LEXAN™ sheet products are tested according the major global Rail standards, and are also approved for use in other means of public transport like Taxi, City Buses and Motor Coaches.

CHEMICAL RESISTANCE AND CLEANING

LEXAN™ solid sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners and cleaning methods, please contact your local SABIC representative.



CONTACT US

SABIC Global Headquarters

PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
F +966 (0) 1 225 9000
E info@sabic.com

Americas

SABIC
Functional Forms
2500 CityWest Boulevard
Suite 100
Houston, Texas 77042
USA
T +1 800 323 3783
F +1 888 443 2033
E spinside.sales@sabic.com

Europe

SABIC
Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293684
F +31 (0)164 293272
E ff.info@sabic.com

Pacific

SABIC
Functional Forms
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 21 3222 4500
F +86 21 6289 8998
E ff.info@sabic.com

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