



Superior Performance

with Interior Components made from
KYDEX® Thermoplastic Sheet

KYDEX® thermoplastic sheet is available in a choice of high-impact, fire-rated grades designed to meet challenging requirements when used in production of interior components for trains, buses, subways, monorails, vans, and other mass transit applications.

With outstanding physical, mechanical, and thermoforming properties, KYDEX® sheet can be used to create two- and three-dimensional components where durability, cost, and regulatory compliance are critical. It provides:

- Resistance to a wide range of concentrated chemicals and solvents
- An ability to withstand frequent cleaning without staining or fading
- Compliance with leading industry criteria for flammability and smoke emissions
- Lighter weight than GRP parts, to lower operating costs
- Outstanding impact resistance, modulus of elasticity, tensile strength, hardness, and heat deflection temperature
- Extreme formability, hot tear strength, and uniformity of wall thickness

KYDEX[®]
THERMOPLASTIC SHEET

Durability By Design[®]

KYDEX[®]

ISO 9001:2000 | ISO 14001:2004 Certified
6685 Low Street
Bloomsburg, PA 17815 USA
Phone: +1.570.387.6997 x542
Fax: +1.570.387.7786
info@kydex.com

www.kydex.com

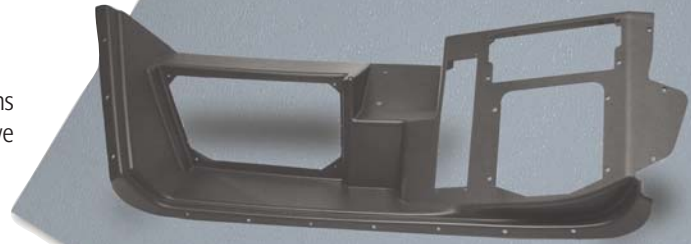
Using conventional thermoforming methods and standard routing/trimming equipment, KYDEX® sheet is a cost-effective choice for a wide range of mass transit interior components, including:

- Seatbacks
- Sidewall panels
- HVAC ducts and vent covers
- Wheel well enclosures
- Armrests
- Enclosures and partitions
- Window masks and reveals
- Ceiling panels
- Tray tables
- Overhead bin components

KYDEX® sheet is available with built-in Microban® antimicrobial protection to help keep surfaces cleaner 24/7. Cost-effective, one-step application of Tedlar® film enables safe and easy removal of graffiti, lipstick, ink, grease, and grime with common cleaners.

High-performance KYDEX® sheet is also highly customisable, for components that meet your aesthetic requirements as well as your specifications:

- Thicknesses from 0.71mm to 6.25mm (0.028" to 0.250")
- More than 3,500 custom colours
- A choice of surface textures, realistic wood grains, metallics, and custom patterns
- Small runs and short lead times, for turnaround that is fast yet still cost-effective



KYDEX® 6200

Fire-rated sheet for mass transit applications

KYDEX® 6200 meets both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) requirements for smoke emission and flammability as tested under ASTM E-662 and ASTM E-162.

KYDEX® 6200 LTR

Fire-rated, low toxicity sheet for mass transit applications

KYDEX® 6200 LTR components are typically an economical alternative to FRP components due to its lower fabrication costs. This product meets the recommended fire safety requirements of both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) for smoke emission and flammability when tested as per ASTM E-662 and ASTM E-162 and meets the Toxic Gas requirements of both BSS 7239 and SMP 800C.

Below is a listing of KYDEX® sheet products for mass transit interior applications. For a list of more comprehensive information visit www.kydex.com or contact a KYDEX representative.

	Certifications						Properties					
	FMVSS 302	DIN 5510 (2 S4, ST2, SRI, or 2)	ASTM-E662 FIA and FRA	ASTM-E162 FIA and FRA	Docket 90A	SMP800C / BSS 7239	Thicknesses	Izod Impact Resistance at 23.8° C (73°F) (ASTM-D256)	Modulus of Elasticity (ASTM D-790)	Tensile Strength (ASTM D-638)	Rockwell Hardness (R scale) (ASTM D-785)	Heat Deflection Temp @ 1.82MPa (264 psi) (annealed) (ASTM D-648)
KYDEX® 6200 A proprietary, high performance thermoplastic sheet. It is designed for use in mass transit vehicles such as trains, subways, monorails, buses and vans.	•	•	•	•	•		0.70 mm (0.028") to 6.40 mm (0.250")	187 J/m (3.5 ft-lbs/in)	2,413 MPa (350,000 psi)	41 MPa (6000 psi)	98	77.8° C (172° F)
KYDEX® 6200 LTR Formulated for mass transit interior applications where SMP800C compliance is required.	•		•	•	•	•	2.00 mm (0.080") to 5.59 mm (0.220")	107 J/m (2 ft-lbs/in)	2,710 MPa (393,000 psi)	23 MPa (3,390 psi)	78	@ 1.82MPa (264psi) 77.1° C (160° F) @ 0.46MPa (66psi) 82.2° C (180° F)