



"Setting the Standards in Plastics Distribution"TM

ISO 9001:2000 Certified

678 Howard Ave.

Bridgeport, CT 06605

National Toll Free: 800.243.9696

KYDEX ®

6200

FIRE-RATED SHEET FOR MASS TRANSIT

General Information

KYDEX 6200 is a proprietary, high performance thermoplastic sheet. It is designed for use in mass transit vehicles such as subways, vans, buses, and trains. It meets the recommended fire safety practices of both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) for smoke emission and flammability as tested under ASTM E-662 and ASTM E-162. It is the ideal thermoplastic to solve your mass transportation equipment needs.

Features

KYDEX 6200 is available in over 200 developed colors, eight surface textures, and thicknesses from .028" (0.71mm) and up enabling you to satisfy both the functional and aesthetic requirements of any mass transit vehicle interior.

KYDEX 6200 is easy to clean. Graffiti/spray paint, lipstick, ball point pen, felt pen, grease, and grime are all easily removed using cleansers such as Soft Scrub®, Fantastic®, and citrus-based cleansers such as Citri Kleen HD®. Ammoniated cleaners should be avoided since they can leave a residue.

KYDEX 6200 is very resistant to a wide range of concentrated chemicals and solvents, so it withstands frequent cleaning with harsh cleaners without fading or staining.

Thermoformability: KYDEX 6200 forms to deep draws with low forces when heated to the upper range of 325-392°F (163° C to 200° C), and has unusually high resistance to hot tearing. KYDEX 6200 sheet can be formed on all standard presses, and cut on all standard die-cutting machines.

RIPH: KYDEX is endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit

¹All Values are based upon 0.125" (3.175mm) sheet unless otherwise specified.

Not intended for specification purposes.

KYDEX 6200 is specifically formulated to meet the fire safety needs of the mass transportation industry.

Property	Test Method	Typical Value ¹
Specific Gravity	ASTM D-792	1.38
Tensile Strength	ASTM D-638	6,000 psi (41 MPa)
Flexural Strength	ASTM D-790	9,200 psi (63 MPa)
Modulus of Elasticity	ASTM D-790	350,000 psi (2,413 MPa)
Notched Izod Impact Resistance @73° F (23° C)	ASTM D-276	3.5 ft-lbs./in (187 J/m)
Coefficeient of Linear Thermal Expansion	ASTM D-696	4.4 x 10 ⁻⁵ ° F (7.92 x 10 ⁻⁵ ° C)
Rockwell Hardness (R Scale)	ASTM D-785	98
Taber Abrasion Resistance, wt. Loss / 1000 Cycles	ASTM D-1044	0.032 g
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	172° F (78° C)
Flammability: Independent Lab Testing	UL Standard 94 ₂	V-0
Federal Aviation Administration	FAR 25.853(a)	Pass ₂
Motor Vehicle Safety Standard	MVSS 302	Pass
Radiant Panel, FS	ASTM E-162	3.99
Smoke Generation, Ds @ 4.0 Minutes	ASTM E-662	<200
DIN 5510-2		.9mm (S4,ST2,SR2) 6.8mm (S4,ST2,SR2)
DIN 4102-B1		Pass at .7mm



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