



Kleerdex Company

KYDEX® 6200 FIRE RATED SHEET FOR MASS TRANSIT

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

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 for to solve your mass transportation equipment needs.

SUGGESTED END-USES

Kydex 6200 sheet is specifically designed for mass transit railcars, subway, and bus interiors where the UMTA requirements and/or Docket 90-A requirements must be met.

Typical Applications include:

- Dashboards
- Seatbacks
- Armrests
- Tray tables
- Window reveals
- Cabin liners

FEATURES

Kydex 6200 is available in over 200 developed colors, eight surface textures, and thicknesses from 0.028" (.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 with stands frequent cleaning with harsh cleaners without fading or staining.

FABRICATION

Kydex 6200 forms to deep draws with low forces when heated to the upper range of 350°F to 390°F (176-199°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.

PROPERTY	TEST METHOD	TYPICAL VALUE ¹
Specific Gravity	ASTM D-792	1.38
Tensile Strength, psi (MPa)	ASTM D-638	6,000 (41)
Elongation at Break, %		55
Flexural Strength, psi (MPa)	ASTM D-790	9,200 (63)
Modulus of Elasticity, psi (MPa)		350,000 (2413)
Rockwell Hardness, R	ASTM D-785	98
Notched Izod Impact Resistance, 73°F (23°C),ft-lbs/in(J/m)	ASTM D-256	3.5 (187)
Heat Deflection Temperature, HDT, @264psi (1.8MPa), annealed,°F (°C)	ASTM D-648	172° (78°)
Flammability Resist: Independant Test Lab	UL Standard	94 V-0
Fed. Aviation Admin.	FAR 25.853a	Pass
Motor Veh. Sfty. Std.	MVSS 302	Pass
Radiant Panel, FS	ASTM E-162	3.99
Smoke Gen, Ds@ 4.0 Minutes	ASTM E-662	76

¹All values based on 0.125" (3.12mm) sheet unless otherwise specified.

²All gauges from 0.028" (.71mm) and greater. Not intended for specification purposes.