KYDEX® proprietary thermoplastic was introduced by Rohm and Haas Company in 1965. “KYDEX 100” sheet, the only grade at the time, carried an FAR 25.853 (a) and U.L. recognized fire rating and exhibited a range of mechanical properties desirable for aircraft interior applications, prompting United, American, Delta and other major airlines to thermoform aircraft interior parts from the material. Additional KYDEX alloys were subsequently developed to meet the requirements of original equipment manufacturers in other industries. In 1987, Kleerdex Company purchased the KYDEX product line and developed additional grades to provide the physical, electrical and chemical properties, and fire ratings, required for mass transit vehicles, electrical enclosures, medical products and other demanding applications, as well as general-purpose grades that outperform fire-retardant ABS and polycarbonate at comparable prices.

In addition to thermoforming applications, customers began using KYDEX sheet as a protective wallcovering for commercial, retail, institutional and industrial buildings—a major market for KYDEX sheet. Similarly, wood product manufacturers, in an effort to eliminate the cracking and chipping problems of high-pressure laminates, began to laminate, miter fold and post form KYDEX sheet, producing wood-core components of commercial furniture, store fixtures, kiosks and displays—applications that now comprise a large market for KYDEX sheet.

Demand was fueled by the suitability of KYDEX sheet as a damage-resistant material for membrane pressing, a rapidly growing method of surfacing flat and three-dimensional wood-core substrates. KYDEX sheet was available exclusively in solid colors until 1995, when integral granite patterns were introduced. Next came “granite-capped” sheet consisting of a reverse-printed layer of clear film permanently fused to KYDEX substrates in complementary colors.

Today, numerous capped sheets are offered in decorative patterns ranging from woven carbon fiber and metallics to camouflage and highly realistic woodgrains, imparting components with a high style appearance—as well as the durability needed to keep them looking new.

Today, KYDEX sheet is produced in Bloomsburg, PA, USA, at Kleerdex Company’s vertically integrated manufacturing facility that is certified to the ISO 9002:2000 quality management system and ISO 14001 environmental management system. The products manufactured here are marketed worldwide by an extensive network of Kleerdex customer service personnel and factory-trained sales representatives who provide customers with technical advice on designing and manufacturing components that benefit from the special properties offered by KYDEX proprietary thermoplastics.
Protect the long term performance and appearance of your products with KYDEX® thermoplastic sheet

Description
KYDEX® sheet is an extremely durable thermoplastic alloy extruded to withstand levels of abuse from moderate to extreme. It is available in grades to optimize long-term performance, appearance, and cost effectiveness across demanding and diverse end-use applications.
- Over 3500 custom colors
- Thicknesses from 0.56mm to 12.70mm (0.022” to 0.500”)
- 8 textures
- Low minimum order quantities
KYDEX sheet is available in a range of standard colors, granite patterns, realistic wood grains and metallics. Custom colors and a diversity of designs are also available to enhance virtually any commercial, retail or institutional styling theme.

Weatherability
Certain monolithic grades of KYDEX sheet are formulated for weatherable applications, while other grades employ a weatherable cap sheet (either clear or reverse-printed) that is permanently fused to the KYDEX substrate.

Impact Resistance
No other thermoplastic sheet stands up to impact, scratching, and gouging like KYDEX sheet. Depending on grade, it offers outstanding notched Izod impact resistance. Due to its high degree of toughness and resilience, KYDEX sheet can also be stretched at room temperature to twice its original dimension without breaking.

Dimensional Stability
Low water absorption, extreme formability, hot tear strength and the ability to maintain wall thickness give parts made with KYDEX sheet high dimensional stability.

Flame Retardancy
Depending on grade, KYDEX sheet carries fire ratings of UL 94 V-0 and 5V, UL 746C, FAR 25.853 (a) and (d), BS 476 (Parts 6 and 7), MVSS 302, Class 1/A, and ASTM E-162.

Chemical Resistance
Sulfuric acid to brake fluid to carbon tetrachloride, high performance grades of KYDEX thermoplastic alloys are more resistant to a wider range of concentrated chemicals than any other thermoplastic.

Cleanability
Tough stains, scuffs, and graffiti can be removed from KYDEX surfaces using strong cleansers with no staining, fading, or surface damage.

Design Flexibility
KYDEX sheet offers unprecedented design and manufacturing flexibility since numerous grades are available to provide properties and certified ratings required for specialized applications. An unlimited variety of flat and three-dimensional effects can be achieved since KYDEX sheet can be thermoformed, membrane pressed, laminated, miter folded, post formed, brake formed and machined. This allows each part of multi-component products to be produced using the most efficient technique, yet match all other components in appearance, further expanding application possibilities.

Protect the long term performance and appearance of your products with KYDEX® thermoplastic sheet

Patterns
Shown actual size

KYDEX® 130 GRANITE

- ROSESTONE 82101
- DESERT SAND 82705
- GLASS GREEN 83505

Surface textures
Shown actual size

- P-E SMOOTH NAP
- P-C LEVEL HAIRCELL

KYDEX® 510 GRANITE

- NAVY BLUE 82401
- BLACK 82503

- P-H SEVILLE
- P-A SMOOTH

KYDEX SHEET WOOD GRAINS
Shown 50% of actual size

- PEARWOOD
- RUSTIC CHERRY
- RIGA BIRCH
- CANDLELIGHT
- TUNDRA BIRCH
- CHOCOLATE PEAR
- SUMMERFLAME
- RED ALDER
- HONEY MAPLE
- FUSION X
- ELLAMAU BEECH

Patterns are representative only, and selection should not be based solely on the above chart.
**Laminating and Miter Folding**

KYDEX® sheet can be laminated with a wide range of materials, including other sheet materials like ABS, injection molding resins, and thermal plastic elastomers. It can also be laminated over various substrates like wood, metal, and plastic. KYDEX® sheet can be miter folded, which allows for precise, high-quality edges without the need for expensive equipment. This process is ideal for creating intricate designs and adding depth to projects. The use of a vacuum bag or a membrane press is recommended to achieve tight-seamed laminates and sharp, clean edges.

**36 Standard Colors**

KYDEX® sheet is available in 36 standard colors, each with its own unique shade and finish. These colors can be used individually or combined to create custom designs. The wide range of colors makes it possible to match or contrast your project with other elements in your environment, whether it's a commercial interior or a retail store. KYDEX® sheet can be used for a variety of applications, including signage, furniture components, and more. The colors are durable and resistant to fading, ensuring long-lasting aesthetics.

**Applications**

- **Aircraft Interior Components**: KYDEX® sheet is ideal for aircraft interiors due to its fire-resistant properties and scratch-resistant surface. It is commonly used for trim and paneling, providing a high-end look and feel.
- **Building Products**: KYDEX® sheet is used in building products such as window and door frames, providing durability and resistance to weathering.
- **Commercial Furniture**: KYDEX® sheet is used in commercial furniture, offering a combination of functionality and design.
- **Medical Equipment**: KYDEX® sheet is used in medical equipment due to its strength and durability.
- **Agricultural Equipment**: KYDEX® sheet is used in agricultural equipment for its resistance to harsh environments.

**Typical Applications Include**:

- Kiosk panels
- Interior components of air-conditioning and ventilation systems
- Equipment housings, Vents and grilles
- Corporate logo panels
- Raised panel cabinet doors
- Flat laminating
- Miter folding
- Membrane pressing

**Membrane Pressing**

Membrane pressing is a method of forming plastic sheeting into a mold using air pressure and a flexible bladder or “membrane.” This technique is used to create high-quality, seamless edges and complex shapes. It is ideal for creating acoustical partitions, commercial ceiling panels, and acoustical requirements while improving the aesthetics of the environment. Membrane pressing can also be used to create edges in signage, where a tight-seamed laminate is needed.

**Thermoforming**

Thermoforming is a process used to create curved shapes from flat sheet materials. KYDEX® sheet is well-suited for this process due to its durability and resistance to bending and cracking. Thermoforming can be used for a wide range of applications, from signage to furniture components. It is commonly selected over spray painting due to its ability to create complex shapes and forms. For fast set-up and production, thermoforming is an excellent choice. It is ideal for signage and manufacturing processes that require high-quality, flexible parts.
Membrane Pressing

Thicknesses

36 Standard Colors

Applications

Aircraft Interior Components

Architectural Components

Exhibits and Displays

Building Products

Endurance Products

Industrial Applications

Kiosk Housings

Lighting Applications

Logistics Equipment

Marine Interior Components

Medical Products

Miscellaneous Applications

Production Methods

Thermoforming

Membrane Pressing

Typical Applications include:

- Aircraft interior components
- Architectural components
- Exhibits and displays
- Building products
- Endurance products
- Industrial applications
- Kiosk housings
- Lighting applications
- Logistics equipment
- Marine interior components
- Medical products
- Miscellaneous applications

36 Standard Colors

Kydex sheet is available in 36 standard colors with thicknesses ranging from 0.56mm (0.022”) to 8.25mm (0.325”). Custom thicknesses are also available.

Applications

- Aircraft interior components
- Architectural components
- Exhibits and displays
- Building products
- Endurance products
- Industrial applications
- Kiosk housings
- Lighting applications
- Logistics equipment
- Marine interior components
- Medical products
- Miscellaneous applications

Production Methods

Thermoforming

- Forming, fabricating and machining

- Membrane pressing

- Thickening across the backside of the
- Routing a V-groove (miter)
- Table legs—accomplished by
- Nets, drop-front shelving or
- Miter folded to produce seam-
- with Kydex sheet can also be
- Wood substrates laminated
- Gauges and against lighter colors.
- Color is integral, eliminating
- Abuse. Depending on the grade,
- Pressure laminates, and is avail-
- Tive surface that does not chip,
- Adhesives, and by hot pressing
- To wood, metal, gypsum, rigid
- Sheet can be laminated
- Virtually any laminated
- Wood and steel
- Commercial furniture, both
- Partitions, doors, and panels
- Exhibits and displays
- Corner guards and crash rails
- Perforated panels
- Freight container linings
- Equipment shrouds and guards
- Equipment housings
- Illuminated signage
- Kiosk housings
- Vents and grilles
- Raised panel cabinet doors
- Raised panel components
- Furniture and seating
- Commercial and institutional
- Seating and wallcoverings
- Decorative surfacing methods.
- Maximum fire ratings, formability, and a
- Outstanding physical, mechanical,
- Fire ratings, formability, and a
- KYDEX sheet is available in
- Marine interior components
- Kydex sheet is easy to saw,
- Cut with standard woodworking
- Tools. The diversity of mechanical
- and commercial applications.
- Thermoforming

- Forming, fabricating and machining

- Membrane pressing

- Thickening across the backside of the
- Routing a V-groove (miter)
- Table legs—accomplished by
- Nets, drop-front shelving or
- Miter folded to produce seam-
- with Kydex sheet can also be
- Wood substrates laminated
- Gauges and against lighter colors.
- Color is integral, eliminating
- Abuse. Depending on the grade,
- Pressure laminates, and is avail-
- Tive surface that does not chip,
- Adhesives, and by hot pressing
- To wood, metal, gypsum, rigid
- Sheet can be laminated
- Virtually any laminated
- Wood and steel
- Commercial furniture, both
- Partitions, doors, and panels
- Exhibits and displays
- Corner guards and crash rails
- Perforated panels
- Freight container linings
- Equipment shrouds and guards
- Equipment housings
- Illuminated signage
- Kiosk housings
- Vents and grilles
- Raised panel components
- Furniture and seating
- Commercial and institutional
- Seating and wallcoverings
- Decorative surfacing methods.
- Maximum fire ratings, formability, and a
- Outstanding physical, mechanical,
- Fire ratings, formability, and a
- KYDEX sheet is available in
- Marine interior components
- Kydex sheet is easy to saw,
- Cut with standard woodworking
- Tools. The diversity of mechanical
- and commercial applications.
- Thermoforming
KYDEX sheet can be laminated to other substrates from wood, metal, and various other materials and laminated onto these substrates. It can be used for custom surfaces, including: ESD applications, lab equipment shrouds and guards, equipment guards, e-light, HVAC, industrial equipment, food/beverage products, medical equipment, custom graphic patterns, and high-quality professional equipment such as architectural trims, cabinetry, and furniture elements. KYDEX is often used for high-impact applications such as construction, transportation, and industrial equipment.
Ultra high impact, high performance, fire-rated sheet suitable for a broad range of demanding applications.

- **128 J/m**
- **108º C**
- **Formulated for mass transit interior applications where SMP800C is required.**

KYDEX® sheet of any color with a clear, weatherable cap. Cap available with black/white pattern.

- **75.6º C**
- **78º C**
  - Super tough, durable, sheet sets new standards for thermoformers and membrane pressers in: toughness
- **97º C**
- **104º C**
  - High-temperature grade with improved heat distortion characteristics for higher in-service temperatures
- **104º C**
  - Specifically formulated to meet stringent flame-smoke-toxicity (FST) requirements of the

For National Sanitation Foundation applications. Numerous textures/sizes, limited colors.

- **90.6º C**
- **53 J/m**
  - Thermoplastic 3D laminate with integral color, extreme durability, and superior
- **801 J/m**
  - Impact Resistance at 73

<table>
<thead>
<tr>
<th>AUGUST 2019</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TENSILE</th>
<th>TECLAS</th>
<th>TECTONE</th>
<th>COLORS / FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>L</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>M</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>R</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>T</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>U</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>V</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>X</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Y</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Z</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATIONS**

- **APPLICATIONS**
- **CONFORMATIONS**
- **Custom Products**
<table>
<thead>
<tr>
<th>GRADE</th>
<th>TEXTURES</th>
<th>COLORS/PATTERNS</th>
<th>THICKNESSES</th>
<th>75ºC</th>
<th>76.7ºC</th>
<th>80.1ºC</th>
<th>89ºC</th>
<th>90.5ºC</th>
<th>97ºC</th>
<th>111ºC</th>
<th>3) [ASTM D-638]</th>
</tr>
</thead>
<tbody>
<tr>
<td>KYDEX® 6200 LTR</td>
<td></td>
<td></td>
<td></td>
<td>75-81ºC (168-178ºF)</td>
<td>Meets FAR requirement 25.853 (a) and (d).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 152 WG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 6565</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® T MC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 550</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® XD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 160</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® WG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 104</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KYDEX® 106</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Membrane Pressing

and Miter Folding

KYDEX® sheet is available in 36 standard colors, granite patterns, realistic textures, thicknesses, colors and weights specifically developed for the Customer's Required Applications.

Thickenes

36 Standard Colors

Applications

Aircraft Interior Components

KYDEX® proprietary flame retardant properties make it highly suitable for interior applications in high traffic areas such as gun holsters, aircraft interior applications.

Building Products

Komplett KG provides a broad range of building products, including architectural elements suitable for an extraordinarily wide selection of specialized applications, from gun holsters to three-dimensional components surfaced with KYDEX sheet.

Food Processing

Due to its outstanding physical, mechanical, electrical properties, fire ratings, formability, and a wide selection of specialized surfacing methods, KYDEX® sheet is well suited for high traffic abuse. Depending on the grade, KYDEX® sheet can also be used on high spots, low spots, and other close tolerance details.

Exhibits and Displays

KYDEX® sheet is used in selected exhibits and displays such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication and thermal properties required for signage housings can eliminate the high cost of sheet metal fabrication.

Trade Shows

KYDEX® sheet is available for trade show applications, from gun holsters to three-dimensional components surfaced with KYDEX sheet.

Thermoforming

For fast set-up and production runs, KYDEX® sheet is used in selected exhibitions such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication.

Juxtapositioning

Proven extrusion requirements for high-traffic abuse. Depending on the grade, KYDEX® sheet can also be used on high spots, low spots, and other close tolerance details.

Thermoforming

Due to its outstanding physical, mechanical, electrical properties, fire ratings, formability, and a wide selection of specialized surfacing methods, KYDEX® sheet is well suited for high traffic abuse. Depending on the grade, KYDEX® sheet can also be used on high spots, low spots, and other close tolerance details.

Exhibits and Displays

KYDEX® sheet is used in selected exhibits and displays such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication and thermal properties required for signage housings can eliminate the high cost of sheet metal fabrication.

Trade Shows

KYDEX® sheet is available for trade show applications, from gun holsters to three-dimensional components surfaced with KYDEX sheet.

Thermoforming

For fast set-up and production runs, KYDEX® sheet is used in selected exhibitions such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication.

Juxtapositioning

Proven extrusion requirements for high-traffic abuse. Depending on the grade, KYDEX® sheet can also be used on high spots, low spots, and other close tolerance details.

Thermoforming

Due to its outstanding physical, mechanical, electrical properties, fire ratings, formability, and a wide selection of specialized surfacing methods, KYDEX® sheet is well suited for high traffic abuse. Depending on the grade, KYDEX® sheet can also be used on high spots, low spots, and other close tolerance details.

Exhibits and Displays

KYDEX® sheet is used in selected exhibits and displays such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication and thermal properties required for signage housings can eliminate the high cost of sheet metal fabrication.

Trade Shows

KYDEX® sheet is available for trade show applications, from gun holsters to three-dimensional components surfaced with KYDEX sheet.

Thermoforming

For fast set-up and production runs, KYDEX® sheet is used in selected exhibitions such as extreme signs such as extreme signage housings can eliminate the high cost of sheet metal fabrication.
Patterns

KYDEX® 130 GRANITE

ROSESTONE 82101
DESER T SAND 82703
GLASS GREEN 83509

KYDEX® 510 GRANITE

N A VY BLUE 82401
B LACK 82503

Surface textures

P-E SMOOTH NAP
P-C LEVEL HAIRCELL
P-H SEVILLE
P-A SMOOTH

KYDEX SHEET WOOD GRAINS

PEARWOOD
RUSTIC CHERRY
IGA BIRCH
CANDLELIGHT
TUNDRA BIRCH
CHOCOLATE PEAR
SUMMERFLAME
RED ALDER
HONEY MAPLE
FUSION X
ELLAMAU BEECH

Protect the long term performance and appearance of your products with KYDEX® thermoplastic sheet

Description
KYDEX® sheet is an extremely durable thermoplastic alloy extruded to withstand levels of abuse from moderate to extreme. It is available in grades to optimize long term performance, appearance, and cost effectiveness across demanding and diverse end-use applications.

• Over 3500 custom colors
• Thicknesses from 0.56mm to 12.70mm (0.022" to 0.500")
• 8 textures
• Low minimum order quantities

KYDEX sheet is available in a range of standard colors, granite patterns, realistic wood grains and metallics. Custom colors and a diversity of designs are also available to enhance virtually any commercial, retail or institutional styling theme.

Specialized grades satisfy require-
ments specific to thermoforming, membrane pressing, post forming, brake forming, laminating and miter folding—and fit a wide range of applications ranging from medical equipment housings and aircraft seat parts, to retail store fixtures and commercial furniture components.

Impact Resistance
No other thermoplastic sheet stands up to impact, scratching, and gouging like KYDEX sheet. Depending on grade, it offers outstanding notched Izod Impact resistance. Due to its high degree of toughness and resilience, KYDEX sheet can also be stretched at room temperature to twice its original dimension without breaking.

Dimensional Stability
Low water absorption, extreme formability, hot tear strength and the ability to maintain wall thickness give parts made with KYDEX sheet high dimensional stability.

Weatherability
Certain monolithic grades of KYDEX sheet are formulated for weatherable applications, while other grades employ a weatherable cap sheet (either clear or reverse-printed) that is permanent-
ly fused to the KYDEX substrate.

Flame Retardancy
Depending on grade, KYDEX sheet carries fire ratings of UL 94 V-0 and 5V, UL 746C, FAR 25.853 (a) and (b), BS 476 (Parts 6 and 7), MVSS 302, Class 1/A, and ASTM E-162.

Chemical Resistance
Sulfuric acid to brake fluid to carbon tetrachloride, high performance grades of KYDEX thermoplastic alloys are more resistant to a wider range of concentrated chemicals than any other thermoplastic.

Cleanability
Tough stains, scuffs, and graffiti can be removed from KYDEX surfaces using strong cleaners with no staining, fading or surface damage.

Design Flexibility
KYDEX sheet offers unprecedented design and manufacturing flex-

iblity since numerous grades are available to provide properties and certified ratings required for specialized applications.

An unlimited variety of flat and three-dimensional effects can be achieved since KYDEX sheet can be thermoformed, membrane pressed, laminated, miter folded, post formed, brake formed and machined. This allows each part of multi-component products to be produced using the most efficient technique, yet match all other components in appearance, further expanding application possibilities.

Protect the long term performance and appearance of your products with KYDEX® thermoplastic sheet

Patterns

Shown actual size

CANDLELIGHT
FUSION X
TUNDRA BIRCH
ELLAMAU BEECH
CHOCOLATE PEAR
SUMMERFLAME
RED ALDER
HONEY MAPLE
FUSION X
ELLAMAU BEECH

Surface textures

Shown actual size

P-E SMOOTH NAP
P-C LEVEL HAIRCELL
P-H SEVILLE
P-A SMOOTH

KYDEX SHEET WOOD GRAINS

Shown 50% of actual size

PEARWOOD
RUSTIC CHERRY
IGA BIRCH
CANDLELIGHT
TUNDRA BIRCH
CHOCOLATE PEAR
SUMMERFLAME
RED ALDER
HONEY MAPLE
FUSION X
ELLAMAU BEECH

Patterns are representative only, and selection should not be based solely on the above chart.
KYDEX® proprietary thermoplastic was introduced by Rohm and Haas Company in 1965. “KYDEX 100” sheet, the only grade at the time, carried an FAR 25.853 (a) and UL recognized fire rating and exhibited a range of mechanical properties desirable for aircraft interior applications, prompting United, American, Delta and other major airlines to thermoform aircraft interior parts from the material. Additional KYDEX alloys were subsequently developed to meet the requirements of original equipment manufacturers in other industries.

In 1987, Kleerdex Company purchased the KYDEX product line and developed additional grades to provide the physical, electrical and chemical properties, and fire ratings, required for mass transit vehicles, electrical enclosures, medical products and other demanding applications, as well as general-purpose grades that outperform fire-retardant ABS and polycarbonate at comparable prices.

In addition to thermoforming applications, customers began using KYDEX sheet as a protective wallcovering for commercial, retail, institutional and industrial buildings—a major market for KYDEX sheet.

Similarly, wood product manufacturers, in an effort to eliminate the cracking and chipping problems of high-pressure laminates, began to laminate, miller fold and post form KYDEX sheet, producing wood-core components of commercial furniture, store fixtures, kiosks and displays—applications that now comprise a large market for KYDEX sheet.

Demand was fueled by the suitability of KYDEX sheet as a damage-resistant material for membrane pressing, a rapidly growing method of surfacing flat and three-dimensional wood-core substrates. KYDEX sheet was available exclusively in solid colors until 1995, when integral granite patterns were introduced. Next came “granite-capped” sheet consisting of a reverse-printed layer of clear film permanently fused to KYDEX substrates in complementary colors. Today, numerous capped sheets are offered in decorative patterns ranging from woven carbon fiber and metallics to camouflaging and highly realistic woodgrains, imparting components with a high style appearance—as well as the durability needed to keep them looking new.

Today, KYDEX sheet is produced in Bloomsburg, PA, USA, at Kleerdex Company’s vertically integrated manufacturing facility that is certified to the ISO 9002:2000 quality management system and ISO 14001 environmental management system. The products manufactured here are marketed worldwide by an extensive network of Kleerdex customer service personnel and factory-trained sales representatives who provide customers with technical advice on designing and manufacturing components that benefit from the special properties offered by KYDEX proprietary thermoplastics.

Today, KYDEX sheet is produced in Bloomsburg, PA, USA, at Kleerdex Company’s vertically integrated manufacturing facility that is certified to the ISO 9001 and ISO 14001:2004 standards. The products manufactured here are marketed worldwide by an extensive network of Kleerdex customer service personnel and factory-trained sales representatives who provide customers with technical advice on designing and manufacturing components that benefit from the special properties offered by KYDEX proprietary thermoplastics.

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the acceptability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each product for their particular purposes. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE, and buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the use of our products are not intended as recommendations to use our products in the infringement of any patent.