

KYDEX® Thermoplastics are inherently antimicrobial and available with additional antimicrobial protection. Premium KYDEX ION Technology™ and KYDEX® MB materials are durable, chemical- and stain- resistant. They are ideal for high-traffic areas such as check-out stands, counter tops, point of sale, healthcare furniture, medical devices, kiosks, and wall coverings. Our quick response manufacturing model allows us to manufacture bespoke materials with short lead times in small quantities.



KYDEX® MB Materials are thermoplastic sheet with antimicrobial product protection.

Antimicrobial protection is incorporated into the sheet, which helps keep the treated surface cleaner between cleanings.

KYDEX® T MB

- Proprietary thermoplastic sheet that is chemical resistant
- Easy to clean
- High impact strength
- Excellent formability
- Integral colour

KYDEX® XD MB

All of the features of KYDEX® T MB +

- 3D laminate that eliminates unsightly seams that can de-laminate and promote bacterial growth
- Design control: ability to incorporate compound corners, logos, and wire management holes

Product		ASTM E-84	UL-94V0	BS 476 Part 6 & Part 7*	Antimicrobial	Chemical Resistance to Disinfectants
KYDEX® T	Extreme durability, superior impact sheet		■			■
KYDEX® T MB	Antimicrobial, extreme durability, superior impact sheet		■		■	■
KYDEX® XD MB	Antimicrobial, extreme durability, superior impact, 3D laminate	■		■	■	■
KYDEX® XD	Extreme durability, superior impact, 3D laminate	■		■		■
KYDEX® XD03	Integral pearlescent, high-performance sheet	■		■		■
KYDEX® 110	Fire-rated metallic sheet with excellent durability	■	■			■
KYDEX® XD WG	Decorative wood grain, 3D laminate (capped)	■				■

* BS 476 Part 6 and 7: British Standard for fire propagation and classification of the surface spread of flame.

New KYDEX ION Technology™ is 99% effective at inhibiting the growth of stain and odor causing bacteria on KYDEX® Thermoplastics. KYDEX ION Technology™ interferes with bacteria DNA, which prevents stain and odor causing bacteria from multiplying on the treated thermoplastic sheet.

KYDEX ION Technology™ is an antimicrobial treatment incorporated into the sheet, which helps keep the treated surface cleaner between cleanings.

SURFACES

KYDEX® XD-ION

- 3D laminate used to create seamless edges, eliminating edge banding
- Superior impact resistance
- Integral color

KYDEX® XD03 ION

- 3D laminate used to create seamless edges, eliminating edge banding
- Superior impact resistance
- Integral pearlescent color

KYDEX® T-ION

- Superior impact resistance
- No pre-drying required
- Uniform forming with less wall thinning
- Underwriter's Laboratories, Inc® recognized Std 94 V-0, 5V

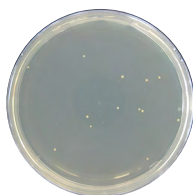
KYDEX ION Technology™



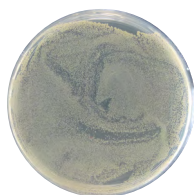
	ISO 22196*	JIS Z 2801*	FAR 25.853 (a) (d)	ASTM E84	UL94	Chemical Resistance to Disinfectants
KYDEX® XD-ION Flat lamination & membrane pressing	■	■		■		■
KYDEX® XD03 ION Pearlescent for flat lamination & membrane pressing	■	■		■		■
KYDEX® T-ION High impact fire-rated	■	■			■	■



Test Sample



Treated Test Sample
Bacterial Growth

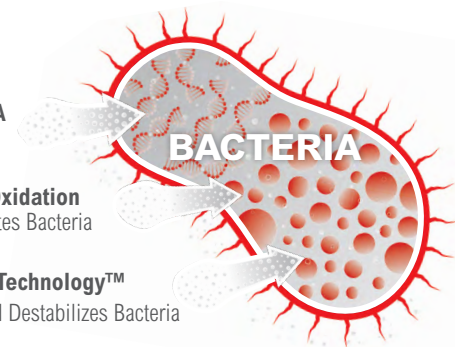


Non-Treated Test Sample
Bacterial Growth

Ions Interfere with DNA
Blocks Multiplication

Causes Enzyme Oxidation
Starves and Suffocates Bacteria

KYDEX ION Technology™
Penetrates and Destabilizes Bacteria



***Disclaimer:** *KYDEX® Thermoplastics incorporate an advanced EPA-registered antimicrobial for the protection and preservation of our polymeric and plastic materials. KYDEX® Thermoplastics are treated only to protect the polymeric and plastic materials and do not confer protection from bacteria to users of our products. Always clean the product thoroughly after use. To learn more about KYDEX ION Technology™ or to have a technical conversation, contact our appLab™ team at appLab@kydex.com or 800.682.8758.

Cleanability & Chemical Resistance

[CLICK HERE FOR TECH BULLETIN](#)

Aggressive cleaning agents and disinfectants are critical in eliminating surface bacteria and fungi to reduce the spread of disease.

Testing results confirmed that KYDEX® Thermoplastics:

- are not adversely affected by industry leading cleaners and disinfectants
- perform without loss of surface finish, colour fastness, or degradation of mechanical and physical properties

Using the right materials and understanding their compatibility with disinfectants is vital to ensuring a long, functional life.



Infused Imaging™

[CLICK HERE TO LEARN MORE](#)

KYDEX® Thermoplastics with Infused Imaging™ technology provides the look of texture on a flat surface that can be easily cleaned and disinfected.

- proprietary process that embeds imagery into thermoplastic material
- gives designers the power to create bespoke environments and brand experiences
- imagery will not chip, fade, or delaminate
- can use colour and imagery without sacrificing strength, durability, or cleanability
- can be used with any KYDEX® MB and KYDEX ION Technology™ materials



SEKISUI KYDEX innovates and creates sustainable thermoplastic material solutions for the next generation of product design.

SEKISUI Chemical's corporate commitment to Speed, Service, and Superiority is realized through the KYDEX® Thermoplastic business model of manufacturing bespoke materials with short lead times in small quantities. This Quick Response Manufacturing (QRM) model at three manufacturing campuses expands beyond thermoplastic sheet. The KYDEX® portfolio also includes injection molding resins, proprietary

Infused Imaging™ Technology, integral special effects, unique textures, and custom products and design. The SEKISUI KYDEX appLab™ and designLab® innovation centers are collaborative spaces for clients and customers to bring the supply chain together for rapid prototyping and design development. These spaces are the bridge between engineering and art. More than 400 dedicated professionals in Bloomsburg, PA, and Holland, MI, working with a global network of sales and distribution partners, are committed to delivering more than their customers can imagine.

**Connect with
SEKISUI KYDEX**



kydex.com



800.325.3133



info@kydex.com

appLab™

designLab™

FSTLab™

©2020 SEKISUI KYDEX, LLC. All Rights Reserved. KYDEX® Thermoplastics, appLab™, designLab®, FSTLab™ are registered trademarks of SEKISUI KYDEX, LLC.

SEKISUI | KYDEX