

Health and safety are at the forefront of the patient experience requiring materials that are chemical resistant, inherently antimicrobial, and will not be stained by harsh cleaning agents.

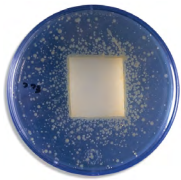
KYDEX® Thermoplastics are inherently antimicrobial and available with additional antimicrobial protection. Premium KYDEX ION Technology™ and KYDEX® MB materials are durable, chemical- and stain- resistant. They are easy to disinfect and are ideal for high traffic areas such as healthcare furniture and medical devices.

Our quick response manufacturing model allows us to manufacture bespoke materials with short lead times in small quantities.

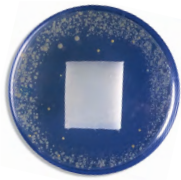


KYDEX® MB Materials are thermoplastic sheet with antimicrobial product protection.

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



WITHOUT
Antimicrobial Protection



WITH
Antimicrobial Protection

KYDEX® T MB

- Meets UL Std 94
- Chemical resistant
- 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

	ISO 10993 Bio-Compatible	Antimicrobial Protection	Chemical Resistance to Disinfectants
KYDEX® T MB	■	■	■
KYDEX® XD MB	■	■	■

appLab™

Other KYDEX® Thermoplastics medical products are available with MB. For more information about antimicrobial or cleaning applications contact appLab™ at 800.682.8758 or email appLab@kydex.com

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

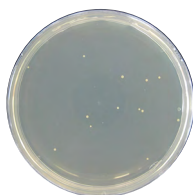
KYDEX ION Technology™

Click button to view Tech Data Sheet

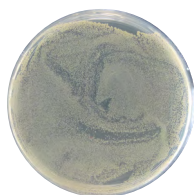
	ISO 22196*	JIS Z 2801*	FAR 25.853 (a) (d)	ASTM E84	UL94	Chemical Resistance to Disinfectants
KYDEX® XD-ION Flat lamination & membrane pressing	■	■		■		■
KYDEX® XD03 ION Pearlescent for flat lamination & membrane pressing	■	■		■		■
KYDEX® T-ION High impact fire-rated	■	■			■	■



Test Sample



Treated Test Sample
Bacterial Growth

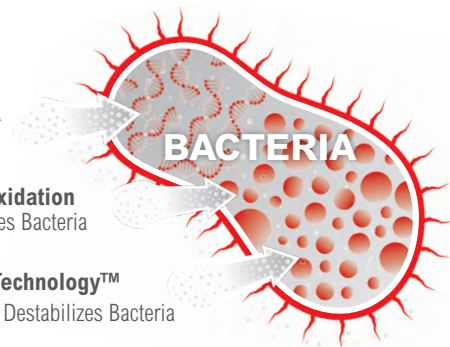


Non-Treated Test Sample
Bacterial Growth

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 hospital-grade CDC recognized 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.

Medical Disinfectants

recognized by the CDC to be effective against COVID 19

CaviCide™ AF
CaviWipes™ Bleach
Caviwipes1™
Caviwipes™
Clorox® Disinfecting Spray
Dispatch® Hospital Cleaner Disinfectant Towels with Bleach
LpH® se
Lysol® Brand Disinfectant Concentrate
Professional Lysol® Brand Disinfectant Spray
Sani-24® Germicidal Spray
Sani-Cloth® AF3 Germicidal Wipes
Sani-Cloth® Bleach Germicidal Wipes
Sani-Cloth® Prime Germicidal Wipes
Sani-HyPerCide™ Germicidal Spray
Sani-Prime® Germicidal Spray
Sporicidin Disinfectant Solution
Sporicidin Disinfectant Towelette
Super Sani-Cloth® Germicidal Wipes
Vesphene® Ilse



Infused Imaging™

[CLICK HERE TO LEARN MORE](#)

KYDEX® Thermoplastics with Infused Imaging™ technology provide 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

CONNECT WITH US



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appLab™ designLab™ FSTLab™

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