

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. Durable, chemical- and stain-resistant, KYDEX® Thermoplastics are ideal for high touch areas such as checkout stands, counter tops, point of sale, healthcare furniture, medical devices, kiosks, tray tables, and wall coverings.



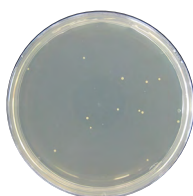
KYDEX ION Technology™

Click button to view Tech Data Sheet

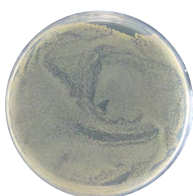
	ISO 22196*	JIS Z 2801*	FAR 25.853 (a) (d)	ASTM E84	UL94	Chemical Resistance to Disinfectants
KYDEX® 5555HI-ION Aviation – high impact, extreme low heat release & smoke	■	■	■			■
KYDEX® 6565HI-ION Aviation – high impact, low heat release & smoke	■	■	■			■
KYDEX® XD-ION Flat lamination & membrane pressing	■	■		■		■
KYDEX® XD03 ION Pearlescent for flat lamination & membrane pressing	■	■		■		■
KYDEX® T-ION High impact fire-rated	■	■			■	■



Test Sample



Treated Test Sample
Bacterial Growth

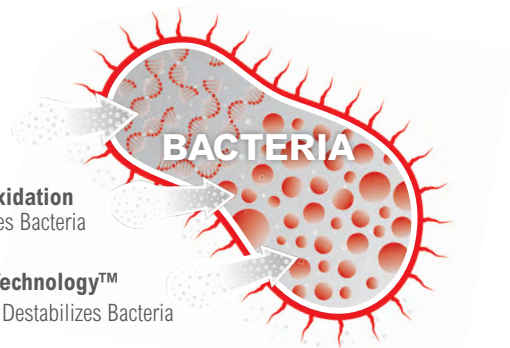


Non-Treated Test Sample
Bacterial Growth

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.

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

AVIATION

KYDEX® 5555HI-ION

- Designed to provide extremely low heat & smoke release
- High performance thermoplastic sheet with integral colour
- Engineered to improve aircraft passenger safety
- Improved impact characteristics for components subjected to HIC (Head Impact Criterion) testing

KYDEX® 6565HI-ION

- High performance thermoplastic sheet with integral colour
- Engineered to improve aircraft passenger safety
- Improved impact characteristics for components subjected to HIC (Head Impact Criterion) testing

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



Cleanability & Chemical Resistance

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

Testing results confirmed that most 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.

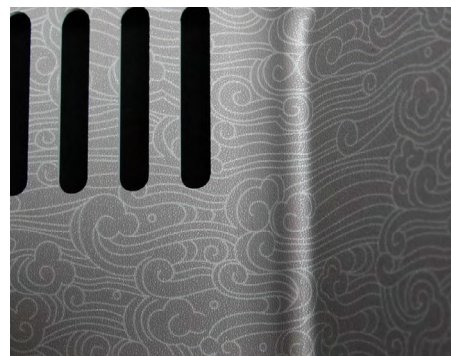
[CLICK HERE FOR TECH BULLETIN](#)

Infused Imaging™

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
- can be used with KYDEX ION Technology™ and KYDEX® MB (antimicrobial) thermoplastics

[CLICK HERE TO LEARN MORE](#)



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