



PRODUCT INFORMATION

AIRDEC-GS

AIRDEC-GS is a heavy weight integrally colored glass fiber reinforced decorative laminate, which is dimensionally stable and extremely durable, and fulfills the most stringent requirements of heat release, smoke emission and toxicity for aircraft interiors.

WEIGHT	AIRDEC-GS is highest weight of this type of laminate, it is very resistant to impact, scrape, and abrasion, and performs well in areas of extreme abuse.
COLOR	AIRDEC-GS is available in an unlimited number of patterns and solid colors, and is integrally pigmented to the background color for superior damage hiding character.
TEXTURE	AIRDEC-GS is available in a wide range of textures. See the Skyline Products Texture Chart for all variations.
GLOSS	AIRDEC-GS is available in both high and medium gloss variations.
CLEANING	Because of its ¹ Tedlar [®] surface, AIRDEC-GS possesses exceptional resistance to staining, solvents, chemicals, and abrasion, and is very easy to clean with common cleaners.
QUALITY	Founded on years of experience, high quality materials, and a very controlled process, the color, texture, and integrity of this product is guaranteed.
ADHESIVES	AIRDEC-GS is available bare without adhesive and with strippable pressure sensitive adhesive. Recommendations for customer applied adhesives are available upon request.
PROPERTIES	AIRDEC-GS is dimensionally stable yet flexible, and can be applied by hand or with vacuum to flat or large radius simple contour parts.
TYPICAL APPLICATIONS	Work Surfaces Trim Strips Trolley Panels
FORMAT	AIRDEC-GS is available in sheets nominally 48, 54, and 60 inches (1219, 1372, and 1524 mm) wide, up to 120 inches (3048 mm) long. Other sizes are available upon request.

¹Tedlar[®] is a registered trademark of DuPont

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CHARACTERISTIC	TEST METHOD	UNIT	TEST VALUE
THICKNESS bare with standard PSA	Micrometer after texturing	inch / mm	0.025±0.0025 / 0.635±0.064 0.028±0.0028 / 0.711±0.071
WEIGHT bare with standard PSA	ASTM D 461 (11)	oz/yd ² / g/m ²	35.1±1.76 / 1190±60 37.0±1.85 / 1255±63
ADHESION OF LAYERS	DMS 2290 4.5.4 and 3.4.4	pass / fail	pass
ABRASION RESISTANCE	DMS 2290 4.5.5 FTMS No. 191 Method 5306	weight lost (milligrams)	< 20
MAR RESISTANCE	ASTM D 5178	kilograms	> 10
DIMENSIONAL STABILITY	ASTM D 1204 60 min / 203°F	%	0 (no change)
COLORFASTNESS TO LIGHT	DMS 2292 4.5.2 and 3.4.2 FTMS No. 191 Method 5660	pass / fail	pass (no change after 50 hours)
HEAT RELEASE	FAR 25.853 (d) FAR 25 App. F Pt. IV	pass / fail	pass ¹
SMOKE DENSITY	FAR 25.853 (d) FAR 25 App. F Pt. V ASTM E-662	pass / fail	pass ¹
TOXICITY	ATS 1000.001 ISSUE 5 / ABD 0031 HF, HCl, HCN, SO ₂ / H ₂ S, NO / NO ₂ , CO Boeing D6-51377 Section 4.1.1 b. (1) CO, HCN, HF, HCl, SO ₂ , NOx	pass / fail pass / fail	pass ¹ pass ¹
FLAMMABILITY (60 sec)	FAR 25.853 (d) FAR 25 App. F Pt. I	pass / fail	pass ²

¹Tested on a 0.125" thick phenolic sandwich panel with standard PSA

²Tested bare with no adhesive

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Notice: The information in this datasheet is given in good faith and is based on our current technical knowledge of this product and on careful tests carried out in our laboratories. No liability is accepted, nor is any guaranty given or implied for any application system utilizing this product.