

AIRDEC-RS

AIRDEC-RS is a lightweight fiberglass reinforced decorative roller screen laminate fulfilling the most stringent requirements of flammability, heat release rate, smoke density, and toxicity for aircraft interiors, and can be uncoiled during flight.

WEIGHT	AIRDEC-RS is a lightweight laminate that easily meets fire safety heat release rate and smoke emission requirements.
COLOR	AIRDEC-RS is available in an unlimited number of colors and patterns, on one or both sides. Custom colors and patterns are available upon request.
TEXTURE	AIRDEC-RS is available in a number of standard textures, on one or both sides. Custom textures are available upon request.
GLOSS	AIRDEC-RS is available in both high and medium gloss variations.
CLEANING	Because of its ¹ Tedlar® surface, AIRDEC-RS 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.
PROPERTIES	AIRDEC-RS is relatively stiff and tear resistant, yet flexible enough to coil onto a one inch diameter roller screen mechanism ² , hang flat with little memory, and recoil effortlessly. AIRDEC-RS meets the most stringent requirements of flammability, heat release rate, smoke density, and toxicity for aircraft interiors, and therefore can be uncoiled during flight.
TYPICAL APPLICATIONS	Galley Screens Closet Screens Equipment Screens Class Dividers
FORMAT	AIRDEC-RS is available in sheets nominally 48, 54, and 60 inches (1219, 1372, and 1524 mm) wide, by 96 inches (2438 mm) long. Other sizes are available upon request.

¹ Tedlar® is a registered trademark of DuPont

² Roller Screen mechanism manufactured by LiMax GmbH of Bad Honnef, Germany

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CHARACTERISTIC	TEST METHOD	UNIT	TEST VALUE	
THICKNESS	Micrometer after texturing	Inch / mm	0.014±0.007 / 0.36±0.018	
WEIGHT	ASTM D 461 (11)	oz/yd ² / g/m ²	15.3±0.76 / 520±26	
ADHESION OF LAYERS	DMS 2415 3.5.4 and 4.5.4 DAN 419 4.1.9	pass / fail	pass	
TEAR STRENGTH	ISO 4674-1 Method A	lbf / N	2.0 / 8.9	
COLORFASTNESS TO LIGHT	DMS 2415 3.5.2 and 4.5.2 FTMS No. 191 Method 5660 AATCC 16-1993, Option E ASTM G 53 QUV UVA-340	Pass / fail	pass (no change after 50 fading hours) DE* < 0.50 after 100 fading hours no change after 50 fading hours	
HEAT RELEASE RATE	FAR/JAR 25.853 (d) FAR/JAR 25 App. F Pt. IV Boeing D6-51377 Airbus ABD0031	kW/m ² kW min/m ²	peak / total	40 / 26
SMOKE DENSITY	FAR 25.853 (d) FAR 25 App. F Pt. V ASTM E-662	Ds	@ 4 min / max	124 / 133
TOXICITY	Airbus ABD 0031 HCN, CO, NO / NO ₂ , SO ₂ , H ₂ S, HF, HCl	ppm pass / fail	0, 200, 2, 0, 0, 20, 140 pass	
	Boeing D6-51377 Section 4.1.1 b. (1) CO, HCN, HF, HCl, SO ₂ , NO _x	ppm pass / fail	200, 0, 20, 140, 0, 2 pass	
FLAMMABILITY (60 sec)	FAR/JAR 25.853 (d) FAR/JAR 25 App. F Pt. I Boeing D6-51377 Airbus ABD0031	inch / mm seconds seconds pass / fail	burn length flame time time of drips	5.4 / 138 0 0 pass