

LIGHTWEIGHT LAY-FLAT PCA DUCTING



- Pre-conditioned air ducting that provides excellent flexibility, durability and ultra-light-weight handling. An insulation layer provides a lightweight thermal barrier to prevent temperature loss.

BENEFITS

- Manufactured with strong lock-stitch sewn construction.
- Industrial strength fabric with urethane topcoat applied to the exterior.
- Three-ply reinforced insulation composition includes a closed-cell foam thermal barrier.
- Closed-cell foam insulation is sealed into a water-tight cavity and does not absorb or retain moisture from condensation. The insulation also includes a foil-faced surface which reduces temperature rise.
- Compacts better for storage and deployment.
- Has natural built in abrasion resistance making it a more durable product.
- Offers better puncture, burst and tensile strength.
- A smooth inner wall and reduce airflow resistance.
- 3x lighter weight than other PVC Products in the Aviation Market without compromising durability, strength and performance.
- High Strength 10oz urethane coated textile. This tuff-coat fabric is flexible, fire resistant (self-extinguishing) and provides enhanced resistance to UV rays, mold and mildew.

DATASHEET

	Test Methods	Exterior Layer	Insulation Layer	Interior Layer
Fabric Identification		1680 SG	Foil Faced Foam	PFR600
Coating Type		Urethane Topcoat Cover	N/A	Urethane Topcoat Cover
Colour (Face/Back)		Green/Green	Foil / White	Yellow/Yellow
Weight		10.00oz/yd ²	0.10 inches thick	8.00oz/yd ²
Base Fabric Construction				
Type		FR Polyester	Foil Faced Foam	FR Polyester
Denier		1680x1680	N/A	600x600
Weave (Yarns/Inch)		25x19	N/A	46x36
Strip Tensile (lbf)	ASTM D751	631x598	N/A	488x302
Grab Tensile (lbf)	ASTM D751	705x587	N/A	485x315
Trapezoid Tear (lbf)	ASTM D751	180x120	N/A	49x21
Burst Strength (lbf)	ASTM D751-00	361	N/A	361
Flame Test (Pass)		Self-Extinguishing	N/A	Self-Extinguishing
Resistance to Cold (°C)		-40	-51	-40
Resistance to micro-organisms		Rot Proof	N/A	Rot Proof
Taber Abrasion (CS-10 / 500g)	ASTM D3884-09	3000 cycles	N/A	N/A



DESIGNED



ENGINEERED



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 **Airport Equipment**