



FabricAir® Combi 80

FabricAir® Combi 80 is a permeable, flame-retardant, antimicrobial, Oeko-Tex 100 certified fabric. It is a strong and durable fabric, especially well-suited for hygienic applications where there is a risk of mold or bacteria growth or condensation and comes with an anti-microbial treatment. The fabric is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation) and achieved by thermo-fixation.

This fabric is rated for cleanrooms and associated controlled environments: Cleanliness Class 3 (ISO 14644-1 Table 1).

It comes a 10-year warranty and is supplied in 9 standard colors, with the option of printed custom colors and custom patterns. All flow models, as well as shape retention options are available and it is compatible with the FabricAir® VarioDuct™.

| FEATURES AVAILABLE | |
|--------------------------|-----|
| Washable | Yes |
| Warranty, years | 10 |
| Extended warranty option | Yes |
| Anti-microbial | Yes |
| Permeable | Yes |
| Flame retardant | Yes |

| STANDARD COLORS AVAILABLE | |
|---------------------------|--|
| 3000 White |  |
| 3001 Blue |  |
| 3002 Orange |  |
| 3003 Dark Gray |  |
| 3004 Black |  |
| 3005 Red |  |
| 3006 Light Gray |  |
| 3007 Green |  |
| 3008 Tan |  |

| COLORS AND PATTERNS AVAILABLE | |
|-----------------------------------|-----|
| Dye colors available | No |
| Coloring by Surface Print | Yes |
| Seamless Pattern by surface print | Yes |
| Artwork, print | Yes |
| Logos, print | Yes |
| Lettering, print | Yes |

DATA: FabricAir® Combi 80

PROPERTIES

| | | |
|-------------------------------|---|---------------------------------------|
| Fabric type: | Polyester | |
| Weight: | 295 [8.70] g/m ² [oz/yd ²] | EN ISO 12127:1997 (ASTM D3776-96) |
| Thickness: | 0,45 [0.016] mm [inch] | EN ISO 5084:1996 (ASTM D1777-96) |
| Permeability: | [2 (±5%) CFM/ft ² at 0.5" inwg] | EN ISO 9237:1995 (ASTM D737, Frazier) |
| Strength - Warp: | 2700 N | EN ISO 13934-1 |
| Strength - Weft: | 900 N | EN ISO 13934-1 |
| Shrinkage: | 0,5% Max. | EN ISO 5077 |
| Heat resistance - continuous: | from -40°C [-40°F] to +140°C [+284°F] | |
| Heat resistance - softening: | +240°C [+464°F] | |

CODE COMPLIANCE

| | | |
|--|------------|----------------|
| Reaction to fire (European Union): | B-s1,d0 | EN 13501-1 |
| Reaction to fire (Denmark):t | Yes | DS 428 |
| Reaction to fire (France): | M1 | NFP 92:507 |
| Reaction to fire (Republic of China): | B-s1,d0,t1 | GB 8624 |
| Reaction to fire (USA): | Yes | UL 723 |
| Reaction to fire (Canada): | Yes | ULC s102.2 |
| Cleanrooms and associated controlled environments: | Class 3 | EN ISO 14644-1 |

PERFORMANCE CERTIFICATES

| | | |
|--------------------------------|-----|---------|
| Safety Air Dispersion Systems: | Yes | UL 2518 |
|--------------------------------|-----|---------|

ADDITIONAL APPROVALS

| | | |
|-----------------|-----|-------------------------|
| Anti-microbial: | Yes | EN ISO 20645, AATCC 100 |
| OEKO-TEX®: | Yes | OEKO-TEX® Standard 100 |

OPTIONAL FABRICAIR INNOVATIONS

| | | |
|-------------|-----|--|
| All-in-One: | Yes | |
| 360° hoops: | Yes | |

Disclaimer

FabricAir® believes that all data, statements, technical information, etc., listed in this Technical Data Sheet regarding the product and the use of the product are accurate and reliable. However, the product will only be covered by FabricAir®'s guarantees or warranty if the final use for the product has been approved by FabricAir® in writing. No representative is authorized to approve the final use of the product on behalf of FabricAir®.