

# Material Specification

## DFC-0 (NON-PERMEABLE)



**MATERIAL:** Coloured, dirt-repellant finish on surface and anti-microbially treated to ensure long-term protection against a broad spectrum of bacteria and fungi. This will help to prevent growth on surface, musty smell, permanent colouring, brittleness and premature product failure. The materials are non-permeable.

**CONSTRUCTION:** Light Injekt: Non-flammable Polyester fabric with thermoplastic coating  
DFC-0: Non-flammable Polyester fabric with flame retardant PU coating

Type		LIGHT INJEKT	DFC-0	Standard
Weight (%) -/+5	g/m <sup>2</sup>	300	200	EN-ISO 5077
Thickness (%) -/+10	mm	0.42	0.23	EN-ISO 12127:1997
Permeability	m <sup>3</sup> /m <sup>2</sup> /h 120 Pa	0	0	EN-ISO 9237:1995
	Tolerance (%)	-	-	
Tensile strength (%) -/+10	Warp / Weft N/50mm	210 / 160	1300 / 800	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp/ Weft N	25 / 30	33 / 28	EN-ISO 13937:2
Production method Product contains silicone		Cut by knife No	Laser cut No	
Shrinkage in wash	(%) 40°C	-	-	EN-ISO 5077
Melting point	°C	170	170	
Operating temperature	°C	50 / 0 Max 90% RH	50 / 0 Max 90% RH	
Spontaneous ignition temperature	°C	-	-	
Water absorption	[%] at 90% RH	-	-	
Electrostatic resistance	Ohm/cm	1.7 x 10 <sup>11</sup>	1.7 x 10 <sup>11</sup>	DIN 54345
Clean room classification		N/A	N/A	ISO-14644-1
Fire resistance		SIS 65 00 82 M1 (F)	B-S1-d0 N/A	EN-13501 NFP 92501-1

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