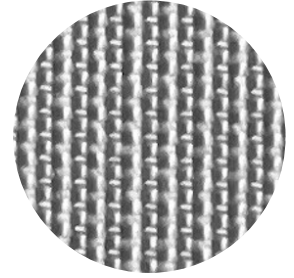


# MATERIAL SPECIFICATION: DFC-HT

**MATERIAL:** DFC-HT Polyester material made of High Tenacity Filament fibres and woven by the weaving mill of Euro Air. The DFC-HT materials are woven in a plain weave that combined with the heavy-duty "High Tenacity Fibres" creates a strong, even and wear-resistant textile surface. The DFC-HT material has been approved for clean room applications, ISO class 4 acc. to ISO 14644-1.



**CONSTRUCTION:** Heatset, shrinkage- and permeability-stabilised material.

Type		DFC-HT 20	DFC-HT 40	DFC-HT 85	DFC-HT 325	DFC-HT 600	Standard
<b>Weight (%) -/+5</b>	g/m <sup>2</sup>	280	277	270	230	230	EN-ISO 5077
<b>Thickness (%) -/+10</b>	mm	0.5	0.5	0.4	0.4	0.4	EN-ISO 12127:1997
<b>Permeability</b>	m <sup>3</sup> /m <sup>2</sup> /h 120 Pa	20	40	85	325	600	EN-ISO 9237:1995
	Tolerance (%)	-25/+25	-25/+25	-12,5/+12,5	-6/+15	-6/+15	
<b>Tensile strength (%) -/+10</b>	Warp / Weft N/50mm	>3100 / >1800	>3200 / >1700	>2800 / >1700	>2800 / >1300	>2200 / > 910	EN-ISO 13934-1
<b>Resistance to tearing (%) -/+10</b>	Warp / Weft N	150 / 130	150 / 130	150 / 110	200 / 160	210 / 180	EN-ISO 13937:2
<b>*Dust retention Filter class</b>		G2	G2	G2	G2	G2	EN-ISO 779:2012
<b>**Shrinkage in wash</b>	(%) 40°C	0.5	0.5	0.5	0.5	0.5	EN-ISO 5077
<b>Melting point</b>	°C	254	254	254	254	254	
<b>Operating temperature</b>	°C	80/-45	80/-45	80/-45	80/-45	80/-45	
<b>Spontaneous ignition temp.</b>	°C	508	508	508	508	508	
<b>Water absorption</b>	[%] at 90% RH	0.4	0.4	0.4	0.4	0.4	
<b>Electrostatic Resistance</b>	Ohm	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	DIN 54345-1
<b>Clean room classification</b>		Class 4	Class 4	Class 4	Class 4	Class 4	ISO-14644-1
<b>Fire resistance</b>		B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 UL 723/NFPA 90 A
<b>Oeko-Tex®</b>		Approved	Approved	Approved	Approved	Approved	Standard 100

Cradle to Cradle™

For standard colours

\*EA measurement

\*\*Washed and dried according to Euro Air instructions

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