



# WOVEN FABRIC

## Technical Data Sheet

### Hybrid Fabric

Product Code: **DK-170 P**

<b>CHARACTERISTICS</b>		<b>Nominal</b>	<b>UM</b>	<b>Tolerance</b>	<b>Normative</b>
<b>Mass per unit area</b>		<b>169</b>	g/m <sup>2</sup>	± 5%	ISO 4605
<b>Weave</b>		<i>Plain</i>			ISO 2113
<b>Width</b>		from 650 to 1200	mm	± 2,5%	ISO 22198
<b>Thickness</b>		0,17	mm	± 2,5%	ISO 5084(**)
<b>Other informations</b>		<i>Loomstate</i>			

  

<b>Nominal Construction</b>		<b>WARP</b>		<b>WEFT</b>	
<b>1<sup>st</sup> Fiber Description</b>		Polyester Fiber Black - 1670dtex		Aramid Fiber Type 2200 - 1610dtex	
<b>1<sup>st</sup> Fiber Producer</b>		PHP DIOLEN		Twaron	
<b>2<sup>nd</sup> Fiber Description</b>		Aramid Fiber Type 2200 - 1610dtex		Polyester Fiber Black - 1670dtex	
<b>2<sup>nd</sup> Fiber Producer</b>		Twaron		PHP DIOLEN	
<b>Thread Count</b>	<b>1<sup>st</sup> Fiber</b>	<b>3,3</b> ends/cm	ISO 4602	<b>3,3</b> ends/cm	ISO 4602
	<b>2<sup>nd</sup> Fiber</b>	<b>1,7</b> ends/cm		<b>1,7</b> ends/cm	
<b>Weight Distribution</b>	<b>1<sup>st</sup> Fiber</b>	<b>56</b> g/m <sup>2</sup>	33%	<b>57</b> g/m <sup>2</sup>	34%
	<b>2<sup>nd</sup> Fiber</b>	<b>29</b> g/m <sup>2</sup>	17%	<b>28</b> g/m <sup>2</sup>	17%
<b>Weight Rate</b>		<b>50%</b>		<b>50%</b>	
<b>Selvages</b>		Weaving style	LENO	Type of Fiber	HM polyester 22 tex

  

<b>Mechanical Properties of Fiber</b>	<b>Strength (nominal)</b>	<b>Modulus (nominal)</b>
Black - 1670dtex	1160 MPa	14 GPa
Type 2200 - 1610dtex	3096 MPa	105 GPa

(\*\*) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

Note : Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable

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