

# **DEFENDER™**


**HEAT FELTS**

**PERFORMANCE NEEDELEPUNCHED  
HIGH TEMPERATURE FELTS**

**DURAFIBER BOARDS** | **SOFT FELT PADS**

 Para-Aramids (Kevlar® & Zylon®)

 Meta-Aramids (Nomex®)

 Polyester

[www.defenderheatfelts.com](http://www.defenderheatfelts.com)

 **Albarrie**  
Advanced Textiles for the Future

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Fabric Style Number	U/M	6500 (F6060-G1)	1951 (F6045-G2)	5300 (F5045-HS)	5500 (F5080-HS)
Fiber Type		Polyester	Polyester	Nomex®	Nomex®
Weight	g/m <sup>2</sup>	525	3000	340	525
	oz/yd <sup>2</sup>	15.5	88.5	10	15.5
Thickness	mm	1.4	6.35	1.65	2.75
	inches	0.055	0.25	0.065	0.11
Density	g/cm <sup>3</sup>	0.375	0.47	0.21	0.19
	oz/in <sup>3</sup>	0.22	0.27	0.12	0.11
Temperature (Decomposition/Softening)	°C	150	150	400	400
	°F	300	300	750	750

Fabric Style Number	U/M	5904 (F5130)	5902 (F5135)	5204 (F5015)	5921 (F5102)
Fiber Type		Nomex®	Nomex®	Kevlar®	Kevlar®
Weight	g/m <sup>2</sup>	950	1800	185	1300
	oz/yd <sup>2</sup>	28	53.1	5.5	38.5
Thickness	mm	4.8	7.60	1.4	4.95
	inches	0.19	0.30	0.055	0.195
Density	g/cm <sup>3</sup>	0.20	0.24	0.13	0.26
	oz/in <sup>3</sup>	0.11	0.14	0.076	0.15
Temperature (Decomposition/Softening)	°C	400	400	525	525
	°F	750	750	975	975

Fabric Style Number	U/M	5925 (F5140)	F5195	5930 (F5105)	5935 (F5115)
Fiber Type		Polyester/Kevlar®	P-Aramid Blend	Kevlar®	Kevlar®/PBO
Weight	g/m <sup>2</sup>	3000	3450	3450	3650
	oz/yd <sup>2</sup>	88.5	102	102	107.5
Thickness	mm	8.5	13.2	13.2	12.0
	inches	0.34	0.52	0.52	0.47
Density	g/cm <sup>3</sup>	0.35	0.26	0.26	0.30
	oz/in <sup>3</sup>	0.20	0.15	0.15	0.18
Temperature (Decomposition/Softening)	°C	150	475	525	650
	°F	300	885	975	1200