

### F-3 - TECHNICAL DATA SHEET

<b>General Properties</b>			
SAE Equivalent Number		F-3	
Commercial Standard Grade Number		16R3	
Trade Designation		Back Check	
Minimum Wool Content		85%	
Nominal Specific Density		0.34	
Standard Thickness Range		3.17 mm - 25.4 mm	1/8" to 1"
Width		152 cm	60"
Colour		Grey	
<b>Thickness and Weight Tolerances Metric System</b>			
Thickness		Weight	
Nominal	Limits	Nominal	Limits
3.2 mm	2.87 - 3.48 mm	1.07 kg/m <sup>2</sup>	0.98 - 1.14 kg/m <sup>2</sup>
4.8 mm	4.45 - 5.11 mm	1.59 kg/m <sup>2</sup>	1.47 - 1.71 kg/m <sup>2</sup>
6.4 mm	5.99 - 6.71 mm	2.11 kg/m <sup>2</sup>	1.96 - 2.27 kg/m <sup>2</sup>
7.9 mm	7.57 - 8.33 mm	2.64 kg/m <sup>2</sup>	2.44 - 2.84 kg/m <sup>2</sup>
9.5 mm	9.12 - 9.93 mm	3.17 kg/m <sup>2</sup>	2.93 - 3.41 kg/m <sup>2</sup>
12.7 mm	12.22 - 13.18 mm	4.23 kg/m <sup>2</sup>	3.91 - 4.55 kg/m <sup>2</sup>
15.9 mm	15.32 - 16.43 mm	5.28 kg/m <sup>2</sup>	4.88 - 5.69 kg/m <sup>2</sup>
19.1 mm	18.42 - 19.69 mm	6.34 kg/m <sup>2</sup>	5.86 - 6.82 kg/m <sup>2</sup>
22.2 mm	21.51 - 22.94 mm	7.40 kg/m <sup>2</sup>	6.83 - 7.96 kg/m <sup>2</sup>
25.4 mm	24.61 - 26.19 mm	8.46 kg/m <sup>2</sup>	7.81 - 9.10 kg/m <sup>2</sup>
<b>Thickness and Weight Tolerances Imperial System</b>			
Thickness		Weight	
Nominal	Limits	Nominal	Limits
1/8"	0.113 - 0.137"	1.97 lb/yd <sup>2</sup>	1.80 - 2.10 lb/yd <sup>2</sup>
3/16"	0.175 - 0.201"	2.93 lb/yd <sup>2</sup>	2.71 - 3.15 lb/yd <sup>2</sup>
1/4"	0.236 - 0.264"	3.90 lb/yd <sup>2</sup>	3.61 - 4.19 lb/yd <sup>2</sup>
5/16"	0.298 - 0.328"	4.87 lb/yd <sup>2</sup>	4.50 - 5.24 lb/yd <sup>2</sup>
3/8"	0.359 - 0.391"	5.85 lb/yd <sup>2</sup>	5.41 - 6.29 lb/yd <sup>2</sup>
1/2"	0.481 - 0.519"	7.80 lb/yd <sup>2</sup>	7.21 - 8.39 lb/yd <sup>2</sup>
5/8"	0.603 - 0.647"	9.75 lb/yd <sup>2</sup>	9.01 - 10.49 lb/yd <sup>2</sup>
3/4"	0.725 - 0.775"	11.70 lb/yd <sup>2</sup>	10.81 - 12.59 lb/yd <sup>2</sup>
7/8"	0.847 - 0.903"	13.65 lb/yd <sup>2</sup>	12.61 - 14.69 lb/yd <sup>2</sup>
1"	0.969 - 1.031"	15.60 lb/yd <sup>2</sup>	14.41 - 16.79 lb/yd <sup>2</sup>

*\* Please Note: this data was obtained by ASTM D-461 test methods, ASTM D-2475 standards, and NTA wool felt specifications. Due to the diversity of felt applications we encourage our customers to make their own tests to determine the suitability of a given felt material or contact us for further questions.*