

**FELT WHEELS - TECHNICAL DATA SHEET**  
IMPERIAL SYSTEM

<b>General Properties</b>		
Colour	White	
Brand Felt Number	1001C, 1004, 1005	
Colour	Gray	
Brand Felt Number	2001	
Minimum Wool Content	95%	
Specific Density Range	0.33 - 0.85	
Nominal Width	150 - 410 mm	6" to 16"
Standard Thickness Range	6 - 51 mm	1/4" - 1"

**Size (Diameter), Density, Thickness and Weight Tolerances / Imperial System**

Nominal Diameter [Inch]	Nominal Thickness [Inch]	Specific Density Range				
		Extra Soft 0.33 - 0.38	Soft 0.40 - 0.48	Medium 0.52 - 0.58	Hard 0.60 - 0.68	Rock Hard 0.70 - 0.85
		Weight Tolerance [ lb / yd <sup>2</sup> ]	Weight Tolerance [ lb / yd <sup>2</sup> ]	Weight Tolerance [ lb / yd <sup>2</sup> ]	Weight Tolerance [ lb / yd <sup>2</sup> ]	Weight Tolerance [ lb / yd <sup>2</sup> ]
6"	1/4"	0.083 - 0.096	0.100 - 0.121	0.131 - 0.146	0.151 - 0.171	0.176 - 0.214
	1/2"	0.166 - 0.192	0.200 - 0.242	0.262 - 0.292	0.302 - 0.342	0.352 - 0.428
	1"	0.332 - 0.384	0.400 - 0.484	0.524 - 0.584	0.604 - 0.684	0.704 - 0.856
	2"	0.664 - 0.768	0.800 - 0.968	1.048 - 1.168	1.208 - 1.368	1.408 - 1.712
7"	1/4"	0.113 - 0.130	0.137 - 0.164	0.178 - 0.198	0.205 - 0.233	0.240 - 0.291
	1/2"	0.226 - 0.260	0.274 - 0.328	0.356 - 0.396	0.410 - 0.466	0.480 - 0.582
	1"	0.452 - 0.520	0.548 - 0.656	0.712 - 0.732	0.820 - 0.932	0.960 - 1.164
	2"	0.904 - 1.040	1.096 - 1.312	1.424 - 1.584	1.640 - 1.864	1.920 - 2.328
8"	1/4"	0.148 - 0.170	0.179 - 0.215	0.233 - 0.260	0.269 - 0.305	0.314 - 0.381
	1/2"	0.296 - 0.340	0.358 - 0.430	0.466 - 0.520	0.538 - 0.610	0.628 - 0.762
	1"	0.592 - 0.680	0.716 - 0.860	0.932 - 1.040	1.076 - 1.220	1.256 - 1.524
	2"	1.184 - 1.360	1.432 - 1.720	1.864 - 2.080	2.152 - 2.440	2.512 - 3.048
9"	1/4"	0.187 - 0.220	0.226 - 0.272	0.290 - 0.328	0.340 - 0.386	0.396 - 0.482
	1/2"	0.374 - 0.440	0.452 - 0.544	0.580 - 0.656	0.680 - 0.772	0.792 - 0.964
	1"	0.748 - 0.880	0.904 - 1.088	1.160 - 1.312	1.360 - 1.544	1.584 - 1.928
	2"	1.496 - 1.760	1.808 - 2.176	2.320 - 2.624	2.720 - 3.088	3.168 - 3.856
10"	1/4"	0.231 - 0.266	0.280 - 0.336	0.364 - 0.406	0.420 - 0.476	0.490 - 0.595
	1/2"	0.462 - 0.532	0.560 - 0.672	0.728 - 0.812	0.840 - 0.952	0.980 - 1.190
	1"	0.924 - 1.064	1.120 - 1.344	1.456 - 1.624	1.680 - 1.904	1.960 - 2.380
	2"	1.848 - 2.128	2.240 - 2.688	2.912 - 3.248	3.360 - 3.808	3.920 - 4.760
12"	1/4"	0.332 - 0.383	0.403 - 0.484	0.524 - 0.585	0.605 - 0.685	0.705 - 0.856
	1/2"	0.664 - 0.766	0.806 - 0.968	1.048 - 1.170	1.210 - 1.370	1.410 - 1.712
	1"	1.328 - 1.532	1.612 - 1.936	2.096 - 2.340	2.420 - 2.740	2.820 - 3.424
	2"	2.656 - 3.064	3.224 - 3.872	4.192 - 4.680	4.840 - 5.480	5.640 - 6.848
14"	1/4"	0.452 - 0.521	0.548 - 0.659	0.713 - 0.796	0.823 - 0.933	0.960 - 1.166
	1/2"	0.904 - 1.042	1.096 - 1.318	1.426 - 1.592	1.646 - 1.866	1.920 - 2.332
	1"	1.808 - 2.084	2.192 - 2.636	2.852 - 3.184	3.292 - 3.732	3.840 - 4.664
	2"	3.616 - 4.168	4.384 - 5.272	5.704 - 6.368	6.584 - 7.464	7.680 - 9.328
16"	1/4"	0.591 - 0.681	0.716 - 0.860	0.931 - 1.039	1.075 - 1.219	1.254 - 1.523
	1/2"	1.182 - 1.362	1.432 - 1.720	1.862 - 2.078	2.150 - 2.438	2.508 - 3.046
	1"	2.364 - 2.724	2.864 - 3.440	3.724 - 4.156	4.300 - 4.876	5.016 - 6.092
	2"	4.728 - 5.448	5.728 - 6.880	7.448 - 8.312	8.600 - 9.752	10.032 - 12.184

*\* Please Note: this data was obtained from the SAE J314 report REAF SEP2007. 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.*

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METRIC SYSTEM

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Colour	White	
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Nominal Width	150 - 410 mm	6" to 16"
Standard Thickness Range	6 - 51 mm	1/4" - 1"

**Size (Diameter), Density, Thickness and Weight Tolerances / Metric System**

Nominal Diameter [ mm ]	Nominal Thickness [ mm ]	Specific Density Range				
		Extra Soft 0.33 - 0.38	Soft 0.40 - 0.48	Medium 0.52 - 0.58	Hard 0.60 - 0.68	Rock Hard 0.70 - 0.85
		Weight Tolerance [ kg / m <sup>2</sup> ]	Weight Tolerance [ kg / m <sup>2</sup> ]	Weight Tolerance [ kg / m <sup>2</sup> ]	Weight Tolerance [ kg / m <sup>2</sup> ]	Weight Tolerance [ kg / m <sup>2</sup> ]
150	6	0.045 - 0.052	0.054 - 0.066	0.071 - 0.079	0.082 - 0.093	0.096 - 0.116
	13	0.090 - 0.104	0.109 - 0.131	0.142 - 0.159	0.164 - 0.186	0.191 - 0.232
	25	0.180 - 0.209	0.217 - 0.263	0.285 - 0.317	0.328 - 0.371	0.382 - 0.465
	51	0.361 - 0.417	0.434 - 0.526	0.569 - 0.634	0.656 - 0.743	0.765 - 0.930
180	6	0.061 - 0.071	0.074 - 0.089	0.097 - 0.108	0.111 - 0.127	0.130 - 0.158
	13	0.123 - 0.141	0.149 - 0.178	0.193 - 0.215	0.223 - 0.253	0.261 - 0.316
	25	0.245 - 0.282	0.298 - 0.356	0.387 - 0.430	0.445 - 0.506	0.521 - 0.632
	51	0.491 - 0.565	0.595 - 0.712	0.773 - 0.860	0.891 - 1.012	1.043 - 1.264
200	6	0.080 - 0.092	0.097 - 0.117	0.127 - 0.141	0.146 - 0.166	0.171 - 0.207
	13	0.161 - 0.185	0.194 - 0.233	0.253 - 0.282	0.292 - 0.331	0.341 - 0.414
	25	0.321 - 0.369	0.389 - 0.467	0.506 - 0.565	0.584 - 0.662	0.682 - 0.828
	51	0.643 - 0.738	0.778 - 0.934	1.012 - 1.129	1.169 - 1.325	1.364 - 1.655
230	6	0.102 - 0.119	0.123 - 0.148	0.157 - 0.178	0.185 - 0.210	0.215 - 0.262
	13	0.203 - 0.239	0.245 - 0.295	0.315 - 0.356	0.369 - 0.419	0.430 - 0.523
	25	0.406 - 0.478	0.491 - 0.591	0.630 - 0.712	0.738 - 0.838	0.860 - 1.047
	51	0.812 - 0.956	0.982 - 1.182	1.260 - 1.425	1.477 - 1.677	1.720 - 2.094
250	6	0.125 - 0.144	0.152 - 0.182	0.198 - 0.220	0.228 - 0.258	0.266 - 0.323
	13	0.251 - 0.289	0.304 - 0.365	0.395 - 0.441	0.456 - 0.517	0.532 - 0.646
	25	0.502 - 0.578	0.608 - 0.730	0.791 - 0.882	0.912 - 1.034	1.064 - 1.292
	51	1.003 - 1.156	1.216 - 1.460	1.581 - 1.764	1.824 - 2.068	2.129 - 2.585
300	6	0.180 - 0.208	0.219 - 0.263	0.285 - 0.318	0.329 - 0.372	0.383 - 0.465
	13	0.361 - 0.416	0.438 - 0.526	0.569 - 0.635	0.657 - 0.744	0.766 - 0.930
	25	0.721 - 0.832	0.875 - 1.051	1.138 - 1.271	1.314 - 1.488	1.531 - 1.859
	51	1.442 - 1.664	1.751 - 2.102	2.276 - 2.541	2.628 - 2.976	3.063 - 3.718
360	6	0.245 - 0.283	0.298 - 0.358	0.387 - 0.432	0.447 - 0.507	0.521 - 0.633
	13	0.361 - 0.416	0.595 - 0.716	0.774 - 0.864	0.894 - 1.013	1.043 - 1.266
	25	0.721 - 0.832	1.190 - 1.431	1.549 - 1.729	1.788 - 2.026	2.085 - 2.533
	51	1.442 - 1.664	2.381 - 2.863	3.097 - 3.458	3.575 - 4.053	4.170 - 5.065
410	6	0.321 - 0.370	0.389 - 0.467	0.506 - 0.564	0.584 - 0.662	0.681 - 0.827
	13	0.642 - 0.740	0.778 - 0.934	1.011 - 1.128	1.167 - 1.324	1.362 - 1.654
	25	1.284 - 1.479	1.555 - 1.868	2.022 - 2.257	2.335 - 2.648	2.724 - 3.308
	51	2.567 - 2.958	3.110 - 3.736	4.044 - 4.513	4.670 - 5.295	5.447 - 6.616

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