



FIBERLOC FELTS - WOOL FELTS COMPARISON CHART

Commercial Standard Grade SAE No. Felters Style	16R1 F-1 8234	Felters Needled Equivalent 6101	16R3 F-3 3750	Felters Needled Equivalent 4103	12R1 F-5 8235	Felters Needled Equivalent 6105	12R3 F-7 2283	Felters Needled Equivalent 4107	9R2 F-11 8501	Felters Needled Equivalent 4111	8R5 F-26	Felters Needled Equivalent 1703
General Properties												
Wool Content (min %)	95	50% Wool min/ Polyester	85	50% Wool min/ Polyester	95	50% Wool min/ Polyester	80	50% Wool min/ Polyester	87	50% Wool min/ Polyester	45	45
Density at 1", oz per sq yd	16.00	16.00	15.6	15.6	12.24	12.24	12.24	12.24	8.48	8.48	7.2	7.2
Standard Thickness Range, in	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1	1/8 - 1
Standard Width (in)	60	72	60	72	66	72	72	72	72	72	72	72
Color	White	White	Gray	Gray	White	White	Gray	Gray	Gray	Gray	Gray	Gray
Physical Properties												
Specific Gravity (%)	34	34	34	34	26	26	26	26	18	18	17	17
Air Perm (1/16"), cfm/sq ft/0.5" H2O	10-30	10-30	15-35	15-35	20-50	20-50	20-50	20-50	75-150	75-150	100-200	100-200
Liquid Absorption % Weight (1.0 sp gr)	>175	>175	>190	>190	>250	>250	>225	>225	>375	>375	>400	>400
% by Volume	74	74	76	76	80	80	80	80	88	88	92	92
Capilarity (Wicking Height) 575 SSU	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.5	2.5		
Mechanical Properties												
Tensile Strength (min), psi	500	500	400	400	400	400	250	250	200	200		
Mullen Bursting Strength (1/8"), psi	250	250	200	200	175	175	125	125	60	60	25	25
Split Resistance min, lbs/2"	33	33	22	22	18	18	12	12	6	6		
Compressibility (10% def), psi	21	21	13	13	6	6	6	6	4	4	1	1
Recovery (within 1 min after 10% def)	99	99	99	99	99	99	99	99	99	99	99	99
Abrasion Resistance	Excellent	Excellent	Excellent	Excellent	Good	Good	Good	Good	Fair	Fair	Poor	Poor
Typical Uses												
	Bearing seals, ink rolls, polishing, print pads, lubricator wicks, and precision uses where high grade felt with good appearance and duability is required.	Bearing seals, polishing pads, print pads, lubricator wicks, and precision uses where high grade felt with good appearance and duability is required.	Automotive, aircraft, machine components similar to 16R1 where recycled wool is acceptable.	Automotive, aircraft, machine components similar to 16R1 where recycled wool is acceptable.	Lubricators, wipers, shock dampeners, where durable resilient felt is required.	Lubricators, wipers, shock dampeners, where durable resilient felt is required.	Dust shields, oil and grease retainers, lubricators, wipers, shock dampeners, where a recycled wool is acceptable.	Dust shields, oil and grease retainers, lubricators, wipers, shock dampeners, where a recycled wool is acceptable.	Dryer drum seals, impregnated packing, insoles, insulation, oil dust and mud shields, where recycled wool is preferred.	Dryer drum seals, impregnated packing, insoles, insulation, oil dust and mud shields, where recycled wool is preferred.	Packing or packing padding when held between other materials. Not recommended for mechanical uses.	Packing or packing padding when held between other materials. Not recommended for mechanical uses.