

Felt Roll Material Specifications

SAE No.	Standard Grade	NTA Number	Description	Wool Fiber Content	Thickness Range	Density (grams / cc)	for 1/4" Thickness	Tensile Strength	Splitting Resistance	Applications
Roll Felts										
F-1	16R1	34R1	Hard White	95%	.125 - 1.000"	0.34	4.00 lbs.	500 psi	33# per 2" strip	Bearing seals, ink roll, polishing, printing pads, lubricator wicks, and other precision uses where high quality felt plus good appearance and durability are required.
F-2	16R2	34R2	Hard Colored	95%	.125 - 1.000"	0.34	4.00 lbs.	500 psi	28# per 2" strip	Vibration mounts, precision channels, oil seals, bumpers, gaskets, and lubricator wicks.
F-3	16R3	34R3	Hard Grey	90%	.125 - 1.000"	0.33	3.90 lbs.	400 psi	22# per 2" strip	Automotive, aircraft, machine components: Similar to 16R1 and 16R2, where lower quality is acceptable. Machinery pads and steel wiping applications.
F-5	12R1	26R1	Extra Firm White	95%	.125 - 1.000"	0.26	3.06 lbs.	400 psi	18# per 2" strip	Lubricators, wipers, shock dampeners, where durable resilient felt is required.
F-6	12R2	26R2	Extra Firm Grey	92%	.125 - 1.000"	0.26	3.06 lbs.	275 psi	16# per 2" strip	Grease retainers; spacer strip seals, vibration mounts, weather strips, journal lubricators.
F-7	12R3	26R3	Extra Firm Grey	80%	.125 - 1.000"	0.26	3.06 lbs.	250 psi	12# per 2" strip	Dust shields, oil and grease reainers; similar to 12R1 and 12R2 where a lower grade is acceptable
F-10	9R1	18R1	Firm White	95%	.125 - 1.000"	0.18	2.12 lbs.	225 psi	8# per 2" strip	Fluid storage and delivery resilient padding, plug filters for gas and air.
F-11	9R2	18R2	Firm Grey	92%	.125 - 1.000"	0.18	2.12 lbs.	200 psi	6# per 2" strip	Dryer drum seals, impregnated packing, insoles, insulation; oil, dust and mud
F-13	9R4	18R3	Firm Grey	75%	.125 - 1.000"	0.18	2.12 lbs.	75 psi	2# per 2" strip	Grease and oil retention, protective lining and isolation for freight cars, trucks dunnage, uses similar to 9R2 and 9R3 where less durability and lower grade felt
F-15			Firm Grey	55%	.125 - 1.000"	0.18	2.12 lbs.	75 psi	2# per 2" strip	Same as F13. Note wool content
F-26	8R5	17R2	Soft Grey Pad	45%	.125 - 1.000"	0.17	1.8 lbs.	--	--	Packing or padding.
F-50	16R1X	34R1	Ball Bearing White	95%	.031" - .093"	0.34	--	500 psi	--	Ball and roller bearing precision seals, strip wicks, industrial filters and uses requiring thin precision felt.
F-51	16R3X	43R3	Ball Bearing Grey	92%	.031" - .093"	0.33	--	300 psi	--	Gaskets, liners, bearing seals, where precision tolerances, life and quality are not as exacting.
F-55	12R3X	26R3	Lining-Grey or Blk	75%	.046" - .093"	0.26	--	200 psi	--	Anti-squeak strips, anti-drumming and insulation lining laminated to other