

DuPont™
Typar® SF
 GEOTEXTILE

Measured Properties INTERNATIONAL

Property	Standard	Unit	SF20	SF27	SF32	SF37	SF40	SF44	SF49	SF56	SF65	SF70	SF77	SF85	SF94	SF111
Descriptive Properties																
Area Weight	EN ISO 9864	g/m ²	68	90	110	125	136	150	165	190	220	240	260	290	320	375
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0,35	0,39	0,43	0,45	0,47	0,48	0,49	0,57	0,59	0,65	0,65	0,73	0,74	0,83
Thickness under 200kN/m ²	EN ISO 9863-1	mm	0,28	0,31	0,35	0,37	0,39	0,40	0,40	0,48	0,53	0,59	0,59	0,69	0,69	0,79
Mechanical Properties																
Energy Absorption	EN ISO 10319	kJ/m ²	1,0	1,8	3,0	3,6	3,7	4,5	5,8	5,8	7,4	8,2	8,6	9,8	11,4	13,0
Tensile Strength*	ASTM D4595	kN/m	3,4	5,0	7,0	8,5	9,0	10,3	12,6	13,1	16,5	16,7	20,0	21,3	25,0	30,0
Elongation*	ASTM D4595	%	35	40	45	52	52	52	52	52	55	55	55	55	55	55
Strength at 5% elongation*	ASTM D4595	kN/m	1,8	2,6	3,3	3,8	4,0	4,5	5,2	5,7	6,8	7,2	8,2	8,8	10,0	11,5
Grab Strength	ASTM D4632	N	300	450	625	725	750	900	1050	1100	1400	1450	1680	1750	2050	2350
Puncture CBR**	EN ISO 12236	N	500	750	1000	1200	1250	1575	1800	1850	2350	2400	2900	3150	3500	4250
Dyn. Cone Puncture	EN 918	mm	50	45	35	33	29	27	30	22	25	23	22	16	17	14
Tear Strength	ASTM D4533	N	160	220	290	320	370	385	335	460	440	570	450	610	570	600
Puncture «US Rod»	ASTM D4833	N	120	160	200	225	250	270	300	350	400	475	500	550	600	700
Hydraulic Properties																
Opening Size O _{90 Wet}	EN ISO 12956	µm	225	175	140	130	120	100	90	80	80	75	75	70	70	65
Opening Size O _{95 Dry}	ASTM D4751	µm	550	350	300	220	210	200	120	100	80	< 75	< 75	< 75	< 75	< 75
		US Sieve	30	40	60	70	70	70	120	140	200	> 200	> 200	> 200	> 200	> 200
Permittivity	ASTM D4491	1/s	3,04	2,00	1,85	1,20	1,20	1,10	0,56	0,65	0,45	0,50	0,35	0,40	0,30	0,20
Permeability (V _{H50})	EN ISO 11058	10 ⁻³ m/s	180	100	70	50	50	40	25	35	18	20	12	15	5	5
Permeability at 20 kN/m ²	DIN 60500-4	10 ⁻⁴ m/s	5,2	4,7	4,6	3,2	2,8	2,6	1,7	1,9	1,6	1,8	1,4	1,6	1,1	1,0
Permeability at 200 kN/m ²	DIN 60500-4	10 ⁻⁴ m/s	3,2	3,1	2,9	1,8	2,0	1,8	1,2	1,4	1,2	1,3	1,0	1,2	0,8	0,7

* Equivalent to EN ISO 10319 and BS 6906-1 ** Equivalent to DIN 54307 and BS 6906-4

Durability

Predicted to be durable for a minimum of 100 years in all natural soils

Natural UV light Good resistance up to several months in direct sunlight, but prolonged exposure, particularly in tropical sunlight, can cause strength losses. Product should be covered after 2 weeks of installation.

Natural occurring acids and alkali Unaffected

Oxidation Resistance prEN ISO 13438 100% retained strength

Chemical Resistance EN 14030 100% retained strength

Microbiological Resistance EN 12225 100% retained strength

Product Description

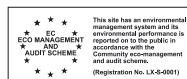
- Polymer 100% Polypropylene UV Stabilised
- Specific gravity 0,91
- Melting Point 165° C
- Type of fiber continuous filament
- Fiber diameter 40 - 50 micron
- Fiber bonding Thermal bonding

The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to make changes at any time without notice.

Typar® SF Packaging Data

Type	width m	length m	area m ²	diameter cm	weight kg	Rolls per 20' FCL
SF20	2.25	250	563	32	44	98
	4.50	200	900	28	72	60
	5.20	400	2080	38	154	28
SF27	2.10	200	420	29	43	112
	4.50	200	900	29	92	56
	5.20	200	1040	29	107	56
SF32	2.00	200	400	30	49	98
	4.50	200	900	30	110	49
	5.20	200	1040	30	127	49
SF37	2.10	150	315	29	45	120
	4.50	150	675	29	96	60
	5.20	150	780	29	111	60
SF40	2.10	150	315	30	48	112
	4.50	150	675	30	103	56
	5.20	150	780	30	119	56
SF44	4.50	150	675	31	113	49
	5.20	150	780	31	130	49
SF49	4.50	100	450	26	86	64
	5.20	100	520	26	99	64
SF56	4.50	100	450	29	97	60
	5.20	100	520	29	112	60
SF65	4.50	100	450	30	110	56
	5.20	100	520	30	127	56
SF70	4.50	100	450	31	119	49
	5.20	100	520	31	138	49
SF77	4.50	100	450	32	128	49
	5.20	100	520	32	148	49
SF85	4.50	100	450	33	142	46
	5.20	100	520	33	164	46
SF94	4.50	100	450	35	155	46
	5.20	100	520	35	179	46
SF111	4.50	100	450	37	180	42
	5.20	100	520	37	208	42

400 m long rolls available for major projects. For further information, please contact DuPont.



DuPont de Nemours (Luxembourg) S.à.r.l.
 Rue Général Patton
 L-2984 Luxembourg
 Tél: +352 3666 5779
 Fax: +352 3666 5021
 www.typargeo.com

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