

DuPont™  
**Typar® SF**  
 GEOTEXTILE

## Measured Properties EUROPE

Property	Standard	Unit	SF20	SF27	SF32	SF37	SF40	SF44	SF49	SF56	SF65	SF70	SF77	SF85	SF94	SF111
<b>Descriptive Properties</b>																
Area Weight	EN ISO 9864	g/m <sup>2</sup>	68	90	110	125	136	150	165	190	220	240	260	290	320	375
Thickness under 2kN/m <sup>2</sup>	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 <sup>2</sup>	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
<b>Mechanical Properties</b>																
Energy Absorption	EN ISO 10319	kJ/m <sup>2</sup>	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	EN ISO 10319	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	EN ISO 10319	%	35	40	45	52	52	52	52	52	55	55	55	55	55	55
Strength at 5%	EN ISO 10319	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
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
Grab Strength	ASTM D4632	N	300	450	625	725	750	900	1050	1100	1400	1450	1680	1750	2050	2350
Tear Strength	ASTM D4533	N	160	220	290	320	370	385	335	460	440	570	450	610	570	600
<b>Hydraulic Properties</b>																
Opening Size O <sub>90 Wet</sub>	EN ISO 12956	µm	225	175	140	130	120	100	90	80	80	75	75	70	70	65
Flow Rate at 10 cm WH	BS 6906-3	l/(m <sup>2</sup> ·s)	240	175	110	80	75	70	50	60	35	40	23	30	15	15
Permeability (V <sub>H50</sub> )	EN ISO 11058	10 <sup>-3</sup> m/s	180	100	70	50	50	40	25	35	18	20	12	15	5	5
Permeability at 20 kN/m <sup>2</sup>	DIN 60500-4	10 <sup>-4</sup> 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 <sup>2</sup>	DIN 60500-4	10 <sup>-4</sup> 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 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.
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Natural occurring acids and alkali	Unaffected
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Oxidation Resistance	prEN ISO 13438	100% retained strength
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Chemical Resistance	EN 14030	100% retained strength
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Microbiological Resistance	EN 12225	100% retained strength
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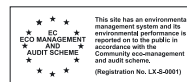
### Product Description

• 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 <sup>2</sup>	diameter cm	weight kg	Max Rolls per full truck 13.6 loading meters
SF20	2.25	250	563	32	44	175
	4.50	200	900	28	72	144
	5.20	400	2080	38	154	48
SF27	2.10	200	420	29	43	288
	4.50	200	900	29	92	144
	5.20	200	1040	29	107	96
SF32	2.00	200	400	30	49	210
	4.50	200	900	30	110	105
	5.20	200	1040	30	127	70
SF37	2.10	150	315	29	45	288
	4.50	150	675	29	96	144
	5.20	150	780	29	111	96
SF40	2.10	150	315	30	48	288
	4.50	150	675	30	103	144
	5.20	150	780	30	119	96
SF44	4.50	150	675	31	113	105
	5.20	150	780	31	130	70
SF49	4.50	100	450	26	86	162
	5.20	100	520	26	99	108
SF56	4.50	100	450	29	97	144
	5.20	100	520	29	112	96
SF65	4.50	100	450	30	110	144
	5.20	100	520	30	127	96
SF70	4.50	100	450	31	119	105
	5.20	100	520	31	138	70
SF77	4.50	100	450	32	128	105
	5.20	100	520	32	148	70
SF85	4.50	100	450	33	142	105
	5.20	100	520	33	164	70
SF94	4.50	100	450	35	155	105
	5.20	100	520	35	179	70
SF111	4.50	100	450	37	180	105
	5.20	100	520	37	208	70



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