



FONTANA INTERNATIONAL GmbH



Notified Body



Inspection Body

D r e f o n S

Technical Datas Protection Geotextiles

Nonwoven geotextiles - mechanically bonded - 100% virgin polypropylene fibres - UV stabilized

Properties	Unit	S 450	S 500	S 600	S 700	S 800	S 1000	S 1200	S 1500	S 1600	S 2000
Thickness (EN ISO 9863-1) at 2 / 200 kPa	mm	3,5 / 1,6	4 / 1,8	5 / 2,2	5,5 / 2,6	6 / 3,0	7,5 / 3,9	8 / 4,7	10 / 8,5	11 / 9,1	13 / 11,3
Mass per unit area (EN ISO 9864)	g/m ²	450	500	600	700	800	1000	1200	1500	1600	2000
Cone drop test (EN ISO 13433) D _c	mm	6 2,5	5 2	3 3	2 2	0	0	0	0	0	0
CBR puncture resistance (EN ISO 12 236)	N	5630	6400	7650	8600	9500	11500	12800	14600	15000	20000
Tolerance [-]		563	640	765	860	950	1150	1280	1460	1500	2000
Deformation at CBR puncture resist. (EN ISO 12 236)	mm	65	65	65	65	65	65	70	70	70	70
Tolerance [-]		10	10	10	10	10	10	10	10	10	10
Energy Absorption Index (EN ISO 10318) CMD	kJ/m ²	16	17	23	27	29	32	36	44	45	68
MD	kJ/m ²	15	16	21	24	26	29	35	38	40	55
Tensile strength T _{max} (EN ISO 10319) CMD	kN/m	36	38	50	60,4	64	70	80	97,4	100	125
Tolerance [±]		3,0	4,5	6,0	7,4	8,0	6,5	8,0	12,6	11,0	15,0
MD	kN/m	33	36	46	52	58	65	78	84	90	100
Tolerance [±]		3,5	4,2	6,5	6,0	7,0	5,8	8,0	10,9	10,0	10,0
Strain at maximum load ε _{max} (EN ISO 10319) CMD	%	90	90	90	90	90	90	90	90	90	110
Tolerance [±]		18	18	18	18	18	18	18	18	18	20
MD	%	90	90	90	90	90	90	90	90	90	110
Tolerance [±]		18	18	18	18	18	18	18	18	18	20
Pyramid puncture resistance (EN 14574)	N	450	520	660	850	960	1280	1770	2250	2400	4000
Tolerance [-]		45	50	60	85	95	115	175	225	240	500
Transmissivity at 20 kPa, l = 1 (EN ISO 12 958)	m ² /s.10 ⁶	9,5	10	11	12	14	16	17	20	20	25
Tolerance [-]		3,6	4,0	4,1	4,3	4,4	4,6	4,7	5,1	5,5	6,0
Characteristic opening size O ₉₀ (EN ISO 12956)	µm	75	70	70	70	70	70	70	70	70	70
Tolerance [±]		20	20	20	20	20	20	20	20	20	20
Form of standard rolls ^{*)}	m	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6
Length	m	70	60	50	45	40	35	29	20	46	40
Area	m ²	429	396	330	297	264	231	191	132	304	264
Weight (approx)	kg	210	200	200	210	215	235	240	200	520	530
Loading capacity per truck (approx.)	m ²	18480	15840	14190	11880	10560	8778	7273	5544	5472	4752

*) Other form of rolls are available on request MD = machine direction CMD = cross direction

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The values given are indicative and correspond to mean values obtained in our laboratories and testing institutes. The tolerance is indicated according to the 95% confidence level. The right is reserved to make changes without notice at any time.

If no specific tolerance is indicated, than tolerance of 10% has to be considered. 05/2012/Rev.2