



TECNOGEO F

STANDARD PRODUCTION



VIGANO' PAVITEX S.P.A.

COMPREHENSIVE TABLE: Rev 125

DESCRIPTION: Nonwoven geotextile needle punched (GTX-N)

COMPOSITION: High tenacity polypropylene UV stabilized, white

PHYSICAL PROPERTIES

		F22	F30	F35	F45	F50	F55	F65	F70	
Mass per unit area	g/m ²	300	400	500	600	700	800	1000	1200	EN ISO 9864
Thickness under 2 kPa	mm	2,50	2,80	3,50	4,00	4,40	5,40	7,20	8,00	EN ISO 9863

MECHANICAL PROPERTIES

		F22	F30	F35	F45	F50	F55	F65	F70	
Tensile strength MD	kN/m	22,0	30,0	35,0	45,0	50,0	55,0	65,0	75,0	EN ISO 10319
Tensile strength CMD	kN/m	22,0	30,0	35,0	45,0	50,0	55,0	65,0	75,0	EN ISO 10319
Elongation at maximum load MD	%	65	65	70	80	80	80	80	85	EN ISO 10319
Elongation at maximum load CMD	%	80	80	85	90	90	90	90	92	EN ISO 10319
Static puncture resistance CBR	kN	3,6	5,0	6,4	7,0	8,5	9,5	12,0	16,0	EN ISO 12236
Cone drop test perforation	mm	11	10	7	6	4	3	0	0	EN ISO 13433
Protection efficiency	N	370	450	520	700	900	1110	1570	1820	EN 14574

HYDRAULIC PROPERTIES

		F22	F30	F35	F45	F50	F55	F65	F70	
Characteristic opening size O_{90}	μm	70	70	60	80	63	60	65	65	EN ISO 12956
Water permeability normal to the plane V_{iH50}	$\text{l/s} \cdot \text{m}^2$	40	40	28	40	25	24	22	15	EN ISO 11058

NOTES

The indicated data are nominal values, based on the statistic outcome of laboratory tests.

Vigano Pavitex has the right to update the data in any moment and without prior notice. Rolls dimension tolerance $\pm 2\%$.

Other types are available on request. Other information are available on single product datasheet.

Vigano Pavitex S.p.A. - Via Carlinga 35, 24035 Curno (BG)
 Tel +39 035 20 19 11 - Fax +39 035 20 19 36 - www.pavitex.com - geo.exp@pavitex.com
 Company with Management System Quality certified ISO 9001

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