

Technical Data propex® Geotextiles

Test Method	Standard	Unit	6054		6055		6056		6057		6060		6061		6081		6082		6083		6084		6085		6086		6088	
			Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft	Warp	Weft
Mass per Unit Area M_A	EN 965	g/m ²	97	83	83	93	119	136	141	141	213	211	264	336	314	415	498											
Thickness (2KN/m ²) d	EN 964/1	mm	0,6	0,45	0,5	0,55	0,85	0,7	1,2	1,2	0,8	1,3	1,2	1,1	1,5	1,6												
Tensile Strength T_{max}		kN/m	22	17	16	20	25	32	30	32	32	45	45	58	58	70	70	70	60	85	85	105	105					
Tensile Force at 5 % Strain T_5	EN ISO 10 319	kN/m	28	28	28	28	28	28	28	20	25	20	12	15	23	12	10	10	10	10	10	10	10	10	10	10	10	
Strain at max. Load ϵ		%	28	28	28	28	28	28	28	20	25	20	12	15	23	12	10	10	10	10	10	10	10	10	10	10	10	
Static Puncture Test (CBR)	EN ISO 12 236	kN	2,2	2,0	2,5	3,0	3,5	2,9	3,6	5,2	5,5	8,0	7,8	10,5	12,0													
Push-Through Force CBR [X-s]		mm	16	17	16	13	10	11	11	11	7,5	8,4	9	9	7													
Dynamic Puncture Test	EN ISO 11 058	mm/s	25	15	12	15	12	11	11	30	15	30	10	11	18													
Hole Diameter	EN ISO 12 556	µm	220	220	180	160	180	190	240	170	200	170	200	230	210													
Water Permeability		%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	
normal to plane V_{H50}																												
Characteristic Opening Size																												
O_{90} (wet sieving)																												
UV-Resistance strength retained after 50 MJ/m ²	EN 12 224	%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	

- * All our data's are average values
- * Specific weight of Polypropylene : 0,90 g/cm³, Melting Point: approx. 165 °C
- * All Propex® geotextiles are subjected to external product control (Freundüberwachung)
- * Testing Institute: Institute für textile Bau- und Umwelttechnik GmbH (IBU) D-48268 Greven (Germany)
- * Propex Fabrics GmbH production is certified according ISO 9001 and CE production control

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