

Durability of ProPex and ProPex Composites Geotextile							
Durability	Test Method	Function: Filtration / Separation	Function: Filtration / Separation / Reinforcement	Reduction Factors	Function: Filtration / Separation / Reinforcement	Reduction Factors	
		up to 6083	6084 to 6088	6084 to 6088	65 6085 - 65 6088	66 6085 65 6088	
		F / S	F / S / B	F / S / B	F / S / B	F / S / B	
		% retaining Strength		factor	% retaining Strength	factor	
Weathering RF _D	EN 12224	> 90	app. 100	1	100	1	
	ASTM D 4355	> 80	app. 100	1	100	1	
Oxidation Stability	ENV ISO 13438 110 °C, 28 days in a oven	> 95	app. 100	1	100	1	
	ENV ISO 13438 110 °C, 56 days in a oven		> 90		>90	1	
Chemical Resistance	EN 14030 60°C in Ca(OH) ₂ 0,025 M H ₂ SO ₄	app. 100	app. 100	1	app. 100	1	
Microbiological resistance	EN 12225	> 90	> 90	1	>90	1	
Damage during Installation RF _{ID}	Field test sand 0 - 4 mm		app 100	1,00	app. 100	1,00	
	Field test grovels 0 - 60 mm		> 95	1,05			
	Field test broken stones 0 - 22 mm		> 90	1,11			
	ENV 10722 with broken stone 0 31,5 mm		>80	1,25	app. 100	1,00	
	ENV 10722 with gravels 0 - 63 mm		>90	1,11			
	ENV 10722 with sand 0 - 4 mm		app. 100	1,00			
	ENV 10722* with sintered Aluminium oxide	app. 50	>50		>80		
Creep Rupture RF _{CR}	EN ISO 13431						
	25 years		34,99	2,86	34,99	2,86	
	50 years		32,63	3,06	32,63	3,06	
	120 years		27,72	3,61	27,72	3,61	
Further Safety Factor f _s				1,4		1,4	
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* is not useful for woven tape fabrics		Page	1	Last Change	03.05.2005	Version	3