



Insu® Felt is a polypropylene geotextile that protects membranes, filters soil, allows water flow, hydrates roots, and is chemical- and UV-resistant.

APPLICATIONS:

- PlanterCell® Green Roof Systems
- Green roofs and planters
- Waterproofing protection under screeds
- Rainwater Harvesting Tanks

BENEFITS:

- Protects waterproofing membranes
- Filters water and prevents soil loss
- Supports root hydration
- Durable, UV- and chemical-resistant

Tech Specs	Test Method	UOM		Insu® Felt White			Insu® Felt Black	
Material				Polypropylene			Polypropylene	
Colour				White			Black	
Size per roll		Width	m	2.0	2.0	2.0	2.0	2.0
		Length	m	150	150	100.0	150	150
Nominal Weight			g/m ²	130	200	300	150	200
Tensile Strength	ASTM D4595	MD	kN/m	15.78	14	19	11	14
	ASTM D4595	TD	kN/m	20.46	12	17	10	12
Elongation @ Break		MD	%			35		35
		TD	%			40		40
Tensile Elongation	ASTM D4595		%	50	50	50	45	50
Grab Tensile Strength	ASTM D4632	MD	N	560	850	1250	600	850
	ASTM D4632	TD	N	653.4	700	1100	550	700
Grab Elongation	ASTM D4632		%	50	50	50	45	50
Trapezoid Tear Strength	ASTM D4533	MD	N	249	350	490	300	350
	ASTM D4533	TD	N	240	330	450	270	330
CBR Puncture Strength	ASTM D6241		N	1708	2300	3200	1800	2300
Water Permeability	ASTM D4491		m/s	0.0041		43 · 10 ⁻³		43 · 10 ⁻³
Horizontal Water Flow Capacity	ASTM D4716		m ² /s	9.1 · 10 ⁻⁶		1.69 · 10 ⁻⁵		1.69 · 10 ⁻⁵

