

# StrataTex HSR™ 100/50



StrataTex HSR™ is a next generation flexible polyester high performance geotextile used in soil reinforcement and other civil engineering applications. StrataTex HSR™ is manufactured using a high-grade polyester yarn with special high tenacity and low creep properties knitted into a stable network.

		Unit	HSR™ 100/50
<b>Mechanical properties</b>			
Minimum ultimate tensile strength (ASTM D 4595 / EN ISO 10319) (min.)	MD	lbs/ft	6,850
		kN/m	100
Minimum ultimate tensile strength (ASTM D 4595 / EN ISO 10319) (min.)	CMD	lbs/ft	3,425
		kN/m	50
Elongation at minimum ultimate tensile strength (ASTM D 4595 / EN ISO 10319) (± 2%)	MD	%	10
			CMD
Creep reduction factor (at 20°C, 120 years design life)			1.4
Creep limited strength (min.)		lbs/ft	4,893
		kN/m	71.4
<b>Physical properties</b>			
Roll width		ft	17
		m	5
Roll length		ft	328
		m	100
Roll area		sq. yd	622
		m <sup>2</sup>	520
Mass per unit area (± 10%)		oz/sq. yd	9
		gm/m <sup>2</sup>	309

## Notes

- MD = machine direction / CMD = cross machine direction.
- The above properties might change at the time of the manufacturing, storing, handling or shipping.
- The above values are subject to change as per the discretion of the company.
- Varying roll widths can be provided on order 5.2m / 5.8m
- Customised rolls with varying lengths of 50m/100m/200m or master rolls can be manufactured on order.
- Tested in GAI-LAP and NABL accredited laboratories



**GAI-LAP**

**CE**

