

StrataTex HSR™ Geotextile



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	HSR 150/ 50	HSR 200/ 50	HSR 300/ 50	HSR 400/ 50	HSR 600/ 50	HSR 800/ 50
Material properties									
Nominal tensile strength (ASTM D4595 / EN ISO 10319)	MD	kN/m min.	100	150	200	300	400	600	800
	CMD	kN/m min.	50	50	50	50	50	50	50
Elongation at nominal strength (ASTM D4595 / EN ISO 10319) (± 2%)	MD	%	10%	10%	10%	10%	10%	10%	10%
	CMD	%	12%	12%	12%	12%	12%	12%	12%
Creep reduction factor (at 20°C, 120 years design life)			1.42	1.42	1.42	1.42	1.42	1.42	1.42
Creep limited strength	MD	kN/m min.	70.4	105.6	140.8	211.3	281.7	422.5	563.4
Physical properties									
Roll width		m	5.2	5.2	5.2	5.2	5.2	5.2	5.8
Roll length		m	100	100	100	100	100	100	100
Roll area		sqm	520	520	520	520	520	520	580
Mass per unit area (± 10%)		gsm	309	365	450	647	766	1020	1279

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

