

The Fiberforce® Range are polypropylene, stable fibre, thermally bonded nonwoven geotextiles and will meet the following roll values when tested in accordance with the methods listed below. The fibres are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

Property	Test Method	Arena	Extra	Premium
Suggested Intensity Level	-	Standard Intensity	Intermediate Intensity	High Intensity
Suggested Jointing Methods	-	Glue	Glue	Glue or Hot Air Weld
Mechanical				
Tensile Strength (MD)	EN ISO 10319	11 kN/m	16 kN/m	25 kN/m
Tensile Strength (CD)	EN ISO 10319	11 kN/m	16 kN/m	25 kN/m
Elongation (MD)	EN ISO 10319	50%	54%	55%
Elongation (CD)	EN ISO 10319	60%	60%	62%
Dynamic Perforation Resistance (Cone Drop) (mm)	EN 13433	26	20	10
Resistance to Static Puncture (CBR)(N)	EN ISO 12236	1800	2750	4000
CE References	-	1035-CPR-ES03385-C/A	1035-CPR-ES03385-C/B	1035-CPR-ES03385-C/C
Hydraulic				
Opening Size O_{90} (µm)	EN ISO 12956	88	78	58
Water Flow Rates (L/m²/s)	EN ISO 11058	70L/m²/s	60L/m²/s	63L/m²/s
Durability	Cover after application / Durable for a minimum of 25 years in natural soils with a $4 < pH < 9$ and a temperature $< 25^{\circ}C$			
Roll sizes (m)	-	5.5 x 100	5.5 x 100	5.5m x 80m / 2.75m x 40m / 2.75m x 80m
Roll diameter (cm)	-	38	46	52 / 33 / 46
Roll weight (kg) excluding core	-	77	99	132 / 33 / 63
Roll weight (kg) including core	-	83	105	138 / 34 / 69
Weight	EN ISO 9864	140 g/m²	180 g/m²	300 g/m²
Thickness under 2 kPa (mm)	EN ISO 9863-1	1	1.2	2.5

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.

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