



shawgrass
a synthetic turf system

Elevate 68 5mm

318SG

Yarn Description	Slit film/Nylon thatch
Melt Point (Tape)	120° C
Melt Point (Spikezone)	220° C
Linear Density (Denier, Tape)*	8,000
Linear Density (Denier, Nylon)	4,400
Specific Gravity (Tape)	0.945 g/cc
Specific Gravity (Nylon)	1.15 g/cc
Thickness (Tape)	100 microns
Thickness (Nylon)	100 microns
Yarn Break Strength (Tape)	16 lb-F
Yarn Break Strength (Nylon)	20 lb-F
Yarn Elongation (Tape)	50%
Yarn Elongation (Nylon)	50%
Total Lead Content (Tape)	< 100 ppm
Total Lead Content (Nylon)	< 100 ppm

Total Weight*	154 oz/yd ²
Pile Weight*	68 oz/yd ²
Primary Backing Weight*	6 oz/yd ²
Secondary Backing Weight**	80 oz/yd ²
Average Pile Height*	0.75"
Colors	Field Green (Black & White line packages only)
Average Tuft Bind Strength	> 6.8 lb-F
Average Breaking Strength	> 150 lb-F
Stitches Per Inch	as needed
Gauge	1/4
Pill Flammability	8 of 8 pass
Abrasive Index	< 35
Infiltration Rate	> 14 in / hr
Football Shoe Traction (Dry)	Initiate 1.0 Slide 0.8
Football Shoe Traction (Wet)	Initiate 1.0 Slide 0.8
Soccer Shoe Traction (Dry)	Initiate 1.0 Slide 0.8
Soccer Shoe Traction (Wet)	Initiate 1.0 Slide 0.8
Average Soccer Ball Rebound	> 0.6 m
Average G-Max	< 200

Except where noted as a minimum or maximum, the above specifications are nominal
*All values are ± 5% **All values are ± 3 oz/yd²