



Product Data Sheet – HydroTurf® Z

ENGINEERED TURF COMPONENT	TEST METHOD	TURF TYPE 1	TURF TYPE 2
Yarn	N/A	Polyethylene Monofilament	Polyethylene Monofilament
Tensile Strength of Yarn	ASTM D2256	15 lb (min.)	15 lb (min.)
Tufted Pile Height	ASTM D5823	1.25 ± 0.25 in.	2.25 ± 0.25 in.
Pile Weight	ASTM D5848	16.5 oz/yd ² (min.)	32 oz/yd ² (min.)
CBR Puncture	ASTM D6241	700 lb (MARV)	700 lb (MARV)
Tensile Product (MD/XD)	ASTM D4595	1,000 lb/ft (min.) (MARV)	1,000 lb/ft (min.) (MARV)
Weight of Extruded Polyethylene Coating and PE film	ASTM D5848	14 oz/yd ² (min.)	14 oz/yd ² (min.)
Total Weight	ASTM D5848	39 oz/yd ² (min.)	54.5 oz/yd ² (min.)
Aerodynamic Evaluation	GTRI Wind Tunnel	120 mph w/ max. uplift 0.12 lb/ft ²	120 mph w/ max. uplift 0.12 lb/ft ²
Engineered Turf Fiber UV Stability	ASTM G147 / G7	> 60% retained tensile strength at 100 yrs.(projected)	> 60% retained tensile strength at 100 yrs. (projected)
Steady State Hydraulic Overtopping	ASTM D7277 / D7276	25 ft/s flow velocity, passing	25 ft/s flow velocity, passing
Manning's 'n' Value	ASTM D7277 / D7276	0.017 to 0.020	0.018 to 0.025
Internal Friction of Combined Components (Low Confining Stress Against Concrete Sand)	ASTM D 5321	22° (min., peak)	22° (min., peak)
HydroBinder® Infill Mix	ASTM C387 / C109	¾ inch thick infill, 5,000 psi (min. 28 days)	¾ inch thick infill, 5,000 psi (min. 28 days)

SUPPLY INFORMATION (Standard Roll Dimensions)

	Width		Length		Area (approx.)		Weight	
	ft	m	ft	m	ft ²	m ²	lb	Kg
Engineered Turf Type 1	12	3.6	300	91.4	3,600	335	~840	~381
Engineered Turf Type 2	12	3.6	300	91.4	3,600	335	~1,400	~635

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