



## HydroTurf® Z

Product Data	Test Method	Turf Type I				Turf Type II					
Yarn	ASTM D1577	Polyethylene Monofilament				Polyethylene Monofilament					
Tufted Pile Height	ASTM D5823	1.25 ± 0.25 Inches				2.25 ± 0.25 Inches					
Pile Weight	ASTM D5848	18.5 ± 2.0 oz./yd <sup>2</sup>				34 ± 2 oz./yd <sup>2</sup>					
CBR Puncture	ASTM D6241	800 lb. (MARV)				800 lb. (MARV)					
Tensile Product (MD/XD)	ASTM D4595	1,000 lb./ft. min. (MARV)				1,000 lb./ft. min. (MARV)					
Yarn Tensile	ASTM D2256	15 lb. min.				15 lb. min.					
Weight of Extruded Polyethylene Coating	ASTM D5848	16 ± 2 oz./yd <sup>2</sup>				16 ± 2 oz./yd <sup>2</sup>					
Total Weight	ASTM D5848	41 ± 4.0 oz./yd <sup>2</sup>				56.5 ± 4.0 oz./yd <sup>2</sup>					
Aerodynamic Evaluation	GTRI Wind Tunnel	120 mph				120 mph					
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 velocity				25 ft/s velocity					
Manning's n Value	ASTM D7277/D7276	0.017-0.020				0.018-0.025					
Internal Friction (Low Confining Stress Against Concrete Sand)	ASTM D5321	22°, min. (peak)				22°, min. (peak)					
HydroBinder® Infill Mix	ASTM C387/ASTM C109	3/4 inch Thick Infill 5000psi (min. at 28 days)				3/4 inch Thick Infill 5000psi (min. at 28 days)					
SUPPLY INFORMATION (Standard Roll Dimensions)											
		Thickness		Width		Length		Area (approx.)		Weight (avg.)	
		mil	mm	ft.	m	ft.	m	ft <sup>2</sup>	m <sup>2</sup>	lbs	kg
Engineered Turf Type I		N/A	N/A	12	3.6	300	91.4	3600	335	~840	~381
Engineered Turf Type II		N/A	N/A	12	3.6	300	91.4	3600	335	~1400	~635

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