



Technical Data Sheet – HydraFiber Ultra

GENERAL

HydraFiber Ultra is a thermally refined advanced substrate technology; Profile uses heat, steam, and pressure to refine southern yellow pine chips and bark. The result is a fiber with very high total porosity and can be a substitute for common horticultural aggregates (i.e. bark or perlite) or a peat or coir extender. Ultra is available in 3 different grades—fine (065WB), medium (160WB), and coarse (365WB).

TECHNICAL DATA

pH	4.1 – 4.9	SME
EC (mS/cm)	<0.20	SME
Moisture Content % (w/w)	18 – 26	Weight-basis
Organic Matter %	99.2 +/- 0.2	Loss on Ignition (ASTM D586-19)
Bulk Density (loose, HPU)	1.6 lbs/ft³	ASTM D2978
Bulk Density (loose, HPU)	25.9 kg/m³	EN12580
Ultra 065WB		
Total Porosity %	93 – 97	NCSU Porometer Method
Container Capacity (WHC) %	49 – 55	
Air Pore Space %	39 – 47	
Ultra 160WB		
Total Porosity %	96 – 99	NCSU Porometer Method
Container Capacity (WHC) %	42 – 49	
Air Pore Space %	48 – 55	
Ultra 365WB		
Total Porosity %	96 – 99	NCSU Porometer Method
Container Capacity (WHC) %	35 – 42	
Air Pore Space %	58 – 63	
Bales		
Weight (Pallet)	2000 lbs	909 kg
Weight (Bale)	50 lbs	22.7 kg
Dimensions (Pallet)	45 x 45 x 101	114 x 114 x 257 cm
Dimensions (Bale)	18 x 26 x 10 in	46 x 66 x 25 cm
Yield target (Pallet)	1236 ft³	35 m³
Yield target (Bale)	30.9 ft³	875 L
Expansion Ratio	13:1	
Towers		
Weight	1200 lbs	545.5 kg
Dimensions (Pallet)	42 x 48 x 92 in	107 x 122 x 234 cm
Yield target (Pallet)	565 ft³	16 m³
Expansion Ratio	6:1	



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