

Grams of Cellulose in Core Sample for Listed Density and Core Depth

(Core tool is 2 inch diameter DWV copper tubing, 2.041 inch inside diameter, 3.2717 cubic inches per inch depth)

		<i>Cellulose Insulation (Core/Wall) Depth, inches</i>																	
<i>Lb/ft³</i>		2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	
Density, pounds per cubic foot	0.5	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6	
	0.6	1.0	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1	
	0.7	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	
	0.8	1.4	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.1	
	0.9	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4	4.6	
	1.0	1.7	1.9	2.1	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7	4.9	5.2	
	1.1	1.9	2.1	2.4	2.6	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.2	5.4	5.7	
	1.2	2.1	2.3	2.6	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.4	5.7	5.9	6.2	
	1.3	2.2	2.5	2.8	3.1	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.6	5.9	6.1	6.4	6.7	
	open blow	1.4	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2
	Density, pounds per cubic foot	1.5	2.6	2.9	3.2	3.5	3.9	4.2	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.8	7.1	7.4	7.7
		1.6	2.7	3.1	3.4	3.8	4.1	4.5	4.8	5.2	5.5	5.8	6.2	6.5	6.9	7.2	7.6	7.9	8.2
		1.7	2.9	3.3	3.6	4.0	4.4	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.3	7.7	8.0	8.4	8.8
1.8		3.1	3.5	3.9	4.3	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.9	9.3	
1.9		3.3	3.7	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	
2.0		3.4	3.9	4.3	4.7	5.2	5.6	6.0	6.4	6.9	7.3	7.7	8.2	8.6	9.0	9.4	9.9	10.3	
2.1		3.6	4.1	4.5	5.0	5.4	5.9	6.3	6.8	7.2	7.7	8.1	8.6	9.0	9.5	9.9	10.4	10.8	
2.2		3.8	4.3	4.7	5.2	5.7	6.1	6.6	7.1	7.6	8.0	8.5	9.0	9.4	9.9	10.4	10.9	11.3	
2.3		4.0	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	
2.4		4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.8	9.3	9.8	10.3	10.8	11.3	11.9	12.4	
2.5		4.3	4.8	5.4	5.9	6.4	7.0	7.5	8.1	8.6	9.1	9.7	10.2	10.7	11.3	11.8	12.3	12.9	
2.6		4.5	5.0	5.6	6.1	6.7	7.3	7.8	8.4	8.9	9.5	10.0	10.6	11.2	11.7	12.3	12.8	13.4	
2.7		4.6	5.2	5.8	6.4	7.0	7.5	8.1	8.7	9.3	9.9	10.4	11.0	11.6	12.2	12.8	13.3	13.9	
2.8		4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	
2.9		5.0	5.6	6.2	6.8	7.5	8.1	8.7	9.3	10.0	10.6	11.2	11.8	12.5	13.1	13.7	14.3	14.9	
3.0		5.2	5.8	6.4	7.1	7.7	8.4	9.0	9.7	10.3	10.9	11.6	12.2	12.9	13.5	14.2	14.8	15.5	
3.1		5.3	6.0	6.7	7.3	8.0	8.7	9.3	10.0	10.6	11.3	12.0	12.6	13.3	14.0	14.6	15.3	16.0	
Density, pounds per cubic foot		3.2	5.5	6.2	6.9	7.6	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.1	15.8	16.5
	3.3	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.8	13.5	14.2	14.9	15.6	16.3	17.0	
	3.4	5.8	6.6	7.3	8.0	8.8	9.5	10.2	10.9	11.7	12.4	13.1	13.9	14.6	15.3	16.1	16.8	17.5	
	3.5	6.0	6.8	7.5	8.3	9.0	9.8	10.5	11.3	12.0	12.8	13.5	14.3	15.0	15.8	16.5	17.3	18.0	
	3.6	6.2	7.0	7.7	8.5	9.3	10.0	10.8	11.6	12.4	13.1	13.9	14.7	15.5	16.2	17.0	17.8	18.6	
	3.7	6.4	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7	13.5	14.3	15.1	15.9	16.7	17.5	18.3	19.1	
	3.8	6.5	7.3	8.2	9.0	9.8	10.6	11.4	12.2	13.1	13.9	14.7	15.5	16.3	17.1	17.9	18.8	19.6	
	3.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.6	13.4	14.2	15.1	15.9	16.7	17.6	18.4	19.3	20.1	
	4.0	6.9	7.7	8.6	9.4	10.3	11.2	12.0	12.9	13.7	14.6	15.5	16.3	17.2	18.0	18.9	19.8	20.6	
	4.1	7.0	7.9	8.8	9.7	10.6	11.4	12.3	13.2	14.1	15.0	15.8	16.7	17.6	18.5	19.4	20.2	21.1	
	4.2	7.2	8.1	9.0	9.9	10.8	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18.0	18.9	19.8	20.7	21.6	
	4.3	7.4	8.3	9.2	10.2	11.1	12.0	12.9	13.8	14.8	15.7	16.6	17.5	18.5	19.4	20.3	21.2	22.2	
	4.4	7.6	8.5	9.4	10.4	11.3	12.3	13.2	14.2	15.1	16.1	17.0	17.9	18.9	19.8	20.8	21.7	22.7	
	4.5	7.7	8.7	9.7	10.6	11.6	12.6	13.5	14.5	15.5	16.4	17.4	18.4	19.3	20.3	21.3	22.2	23.2	
	4.6	7.9	8.9	9.9	10.9	11.9	12.8	13.8	14.8	15.8	16.8	17.8	18.8	19.8	20.7	21.7	22.7	23.7	
	4.7	8.1	9.1	10.1	11.1	12.1	13.1	14.1	15.1	16.1	17.2	18.2	19.2	20.2	21.2	22.2	23.2	24.2	
	4.8	8.2	9.3	10.3	11.3	12.4	13.4	14.4	15.5	16.5	17.5	18.6	19.6	20.6	21.6	22.7	23.7	24.7	
	4.9	8.4	9.5	10.5	11.6	12.6	13.7	14.7	15.8	16.8	17.9	18.9	20.0	21.0	22.1	23.1	24.2	25.2	
5.0	8.6	9.7	10.7	11.8	12.9	14.0	15.0	16.1	17.2	18.2	19.3	20.4	21.5	22.5	23.6	24.7	25.8		
5.1	8.8	9.9	10.9	12.0	13.1	14.2	15.3	16.4	17.5	18.6	19.7	20.8	21.9	23.0	24.1	25.2	26.3		
5.2	8.9	10.0	11.2	12.3	13.4	14.5	15.6	16.7	17.9	19.0	20.1	21.2	22.3	23.4	24.6	25.7	26.8		
5.3	9.1	10.2	11.4	12.5	13.7	14.8	15.9	17.1	18.2	19.3	20.5	21.6	22.8	23.9	25.0	26.2	27.3		
5.4	9.3	10.4	11.6	12.8	13.9	15.1	16.2	17.4	18.6	19.7	20.9	22.0	23.2	24.3	25.5	26.7	27.8		
5.5	9.4	10.6	11.8	13.0	14.2	15.4	16.5	17.7	18.9	20.1	21.3	22.4	23.6	24.8	26.0	27.2	28.3		
5.6	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	21.6	22.8	24.0	25.2	26.5	27.7	28.9		
5.7	9.8	11.0	12.2	13.5	14.7	15.9	17.1	18.4	19.6	20.8	22.0	23.3	24.5	25.7	26.9	28.1	29.4		
High Density	5.8	10.0	11.2	12.5	13.7	14.9	16.2	17.4	18.7	19.9	21.2	22.4	23.7	24.9	26.2	27.4	28.6	29.9	
High Density	5.9	10.1	11.4	12.7	13.9	15.2	16.5	17.7	19.0	20.3	21.5	22.8	24.1	25.3	26.6	27.9	29.1	30.4	
Bag Dens.	9.0	15.5	17.4	19.3	21.3	23.2	25.1	27.1	29.0	30.9	32.8	34.8	36.7	38.6	40.6	42.5	44.4	46.4	

Density in lbs/ft³ = [grams of cellulose in core sample / (0.8588 x core depth in inches)]