The Sugar Engineers

Mon, 25 May 2015

SUGAR PRICE
20 May 2015
White
$/tonne ↓ 360.60

20 May 2015
Raw
¢/lb ↓ 12.59

Density of Sugar Factory Products

The tables below give the approximate range of densities for selected cane factory products. This data is taken from multiple sources including Hugot and Tromp

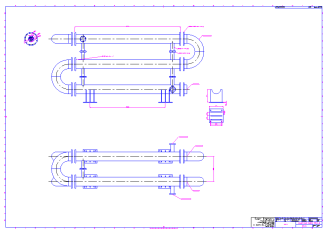
Sugar Cane	lb/ft³	kg/m³
Whole stick cane, tangled and tamped down as in a cane transport vehicle	12.5	200.2
Whole stick cane, neatly bundled	25	400.5
Billetted cane	22	352.4
Whole stick tangled cane but loosely tipped into cane carrier	10	160.2
Knifed cane	18	288.3
Shredded cane	20	320.4

Bagasse	lb/ft³	kg/m³
Bagasse exiting the final mill	7.5	120.1
Bagasse stacked to 2 metre height (moisture = 44%)	11	176.2

Sugars	lb/ft³	kg/m³
Sucrose crystal	99.0	1586.2
Amorphous sucrose	94.1	1507.7
Bulk white sugar	54.9	880
Bagged white sugar	43.7	700
Raw sugar (96° Pol) in a pile	56.2	900
Bagged raw sugar	42.4	680

Featured Design

Click on the drawing



Juice, Syrup and Molasses

You can do online calculations of sugar solution density by entering the data required below. Select the parameter to be used as the graph's x-axis by clicking the appropriate radio button

Sugar Solution

Temperature [°C]	70	○
Brix [%]		○
Purity [%]		◉

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Tables of density are available in Sugar Technologists Manual by Z. Bubnik, P. Kadlec, D. Urban, M. Bruhns available from bartens.com