



# The Sugar Engineers

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## 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/ft <sup>3</sup>	kg/m <sup>3</sup>
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/ft <sup>3</sup>	kg/m <sup>3</sup>
Bagasse exiting the final mill	7.5	120.1
Bagasse stacked to 2 metre height (moisture = 44%)	11	176.2

Sugars	lb/ft <sup>3</sup>	kg/m <sup>3</sup>
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

## 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

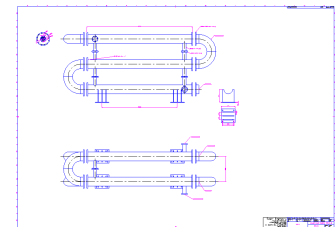
**Sugar Solution**

Mon, 25 May 2015

SUGAR PRICE	
20 May 2015	
White	
\$/tonne	↓ 360.60
<hr/>	
20 May 2015	
Raw	
¢/lb	↓ 12.59

## Featured Design

Click on the drawing



Temperature [°C]	<input type="text" value="70"/>	<input type="radio"/>
Brix [%]	<input type="text"/>	<input type="radio"/>
Purity [%]	<input type="text"/>	<input checked="" type="radio"/>
<input type="button" value="Go"/>		

Tables of density are available in Sugar Technologists Manual by Z. Bubnik, P. Kadlec, D. Urban, M. Bruhns available from [bartens.com](http://bartens.com)

## Sugar Books



[Intensive Sugarcane Production](#)  
Brian A Keating, J...  
Best \$35.99



[Sweeteners and Sugar Alternatives in...](#)  
Helen Mitchell  
Best \$112.00



[Beet-Sugar Handbook](#)  
Mosen Asadi  
New \$163.38  
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[Cane Sugar Handbook](#)  
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