



Mass properties of WATER_BOTTLE
Configuration: Default
Coordinate system: -- default --

* Includes the mass properties of one or more hidden components/bodies.

Density = 0.00 grams per cubic millimeter

Mass = 149.48 grams

Volume = 149483.79 cubic millimeters

Surface area = 149860.80 square millimeters

Center of mass: (millimeters)
X = 2.03
Y = 78.44
Z = 0.55

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
I_x = (0.01, 1.00, 0.01) P_x = 150808.11
I_y = (-0.03, -0.01, 1.00) P_y = 393384.82
I_z = (1.00, -0.01, 0.03) P_z = 411691.12

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
L_{xx} = 411643.51 L_{xy} = 2612.00 L_{xz} = -597.11
L_{yx} = 2612.00 L_{yy} = 150868.93 L_{yz} = 2905.93
L_{zx} = -597.11 L_{zy} = 2905.93 L_{zz} = 393371.59

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
I_{xx} = 1331322.78 I_{xy} = 26468.79 I_{xz} = -428.31
I_{yx} = 26468.79 I_{yy} = 151533.86 I_{yz} = 9412.97
I_{zx} = -428.31 I_{zy} = 9412.97 I_{zz} = 1313623.70

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:			DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		
		NAME		SIGNATURE		DATE				TITLE:			
DRAWN													
CHK'D													
APPV'D													
MFG													
Q.A								MATERIAL:		DWG NO. WATER_BOTTLE			
								WEIGHT:		SCALE:1:2			
										SHEET 1 OF 1			

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