

Mass properties of Part8
Configuration: Default
Coordinate system: -- default --

Density = 1000.00 grams per liter

Mass = 89.06 grams

Volume = 0.09 liters

Surface area = 32026.74 square millimeters

Center of mass: (millimeters)

X = 0.14

Y = 28.48

Z = 0.01

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)

taken at the center of mass.

Ix = (0.01, 1.00, 0.00) Px = 22499.03

Iy = (-1.00, 0.01, -0.08) Py = 33441.33

Iz = (-0.08, 0.00, 1.00) Pz = 33826.01

Moments of inertia: (grams * square millimeters)

taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)

Lxx = 33442.79 Lxy = 15.66 Lxz = 32.19

Lyx = 15.66 Lyy = 22500.27 Lyz = 13.81

Lzx = 32.19 Lzy = 13.81 Lzz = 33823.31

Moments of inertia: (grams * square millimeters)

taken at the output coordinate system. (Using positive tensor notation.)

lxx = 105659.81 lxy = 474.96 lxz = 32.35

lyx = 474.96 lyy = 22502.07 lyz = 45.22

lzx = 32.35 lzy = 45.22 lzz = 106042.10