

Mass properties of Part1a
Configuration: Default
Coordinate system: -- default --

Density = 0.01 grams per cubic millimeter

Mass = 939.55 grams

Volume = 18930.22 cubic millimeters

Surface area = 17630.16 square millimeters

Center of mass: (millimeters)

X = 44.62

Y = -17.69

Z = 21.50

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

Taken at the center of mass.

Ix = (1.00, 0.05, 0.00) Px = 293598.85

Iy = (-0.05, 1.00, 0.00) Py = 565791.55

Iz = (0.00, 0.00, 1.00) Pz = 569852.81

Moments of inertia: (grams * square millimeters)

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

Lxx = 294400.59 Lxy = 14750.78 Lxz = 0.00

Lyx = 14750.78 Lyy = 564989.81 Lyz = 0.00

Lzx = 0.00 Lzy = 0.00 Lzz = 569852.81

Moments of inertia: (grams * square millimeters)

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

lxx = 1022810.67 lxy = -727013.48 lxz = 901392.17

lyx = -727013.48 lyy = 287013.34 lyz = -357394.89

lzx = 901392.17 lzy = -357394.89 lzz = 2734773.63