

Mass properties of Part1b
Configuration: Default
Coordinate system: -- default --

Density = 0.01 grams per cubic millimeter

Mass = 1040.00 grams

Volume = 131645.93 cubic millimeters

Surface area = 18959.12 square millimeters

Center of mass: (millimeters)

X = 46.85

Y = -17.36

Z = 22.50

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

Taken at the center of mass.

Ix = (1.00, 0.07, 0.00) Px = 351264.96

Iy = (-0.07, 1.00, 0.00) Py = 680740.48

Iz = (0.00, 0.00, 1.00) Pz = 681004.48

Moments of inertia: (grams * square millimeters)

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

Lxx = 352853.64 Lxy = 22823.35 Lxz = 0.00

Lyx = 22823.35 Lyy = 679151.81 Lyz = 0.00

Lzx = 0.00 Lzy = 0.00 Lzz = 681004.48

Moments of inertia: (grams * square millimeters)

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

lxx = 192669.63 lxy = -822829.22 lxx = 1096229.48

lyx = -822829.22 lyy = 348814.36 lyz = -406153.37

lzx = 1096229.48 lzy = -406153.37 lzz = 3276780.14