

Mass properties of Piegallo
Configuration: Predeterminado
Coordinate system: -- default --

Density = 0.01 grams per cubic millimeter

Mass = 624.26 grams

Volume = 85514.76 cubic millimeters

Surface area = 22381.75 square millimeters

Center of mass: (millimeters)

X = 19.00

Y = 6.01

Z = 47.85

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

taken at the center of mass.

Ix = (0.00, -0.48, 0.88)

Px = 291604.08

Iy = (0.00, -0.88, -0.48)

Py = 46481.36

Iz = (1.00, 0.00, 0.00)

Pz = 555140.20

Moments of inertia: (grams * square millimeters)

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

Lxx = 555139.95

Lxy = -6.58

Lxz = -209.33

Lyx = -6.58

lyy = 425066.84

lyz = -72831.49

Lzx = -209.33

Lzy = -72831.49

Lzz = 331348.86

Moments of inertia: (grams * square millimeters)

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

lxx = 2007319.25

lxy = 71324.22

lxz = 567457.91

lyx = 71324.22

lyy = 2080082.39

lyz = 106807.18

lzx = 567457.91

lzy = 106807.18

lzz = 579330.47