

Mass properties of Part10
Configuration: Default
Coordinate system: -- default --

The center of mass and the moments of inertia are output in the coordinate system of Assem1

Density = 0.00 grams per cubic millimeter

Mass = 174.98 grams

Volume = 174981.20 cubic millimeters

Surface area = 63273.73 square millimeters

Center of mass: (millimeters)

X = 33.02

Y = 106.89

Z = 357.19

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

taken at the center of mass.

Ix = (0.73, -0.69, 0.00) Px = 1947270.13

Iy = (0.00, 0.00, -1.00) Py = 2142950.01

Iz = (0.69, 0.73, 0.00) Pz = 2290787.87

Moments of inertia: (grams * square millimeters)

taken at the center of mass and aligned with the output coordinate system.

Lxx = 2108897.14 Lxy = -171459.77 Lxz = 22.80

lyx = -171459.77 lyy = 2129160.86 lyz = -17.54

Lzx = 22.80 Lzy = -17.54 Lzz = 2142950.00

Moments of inertia: (grams * square millimeters)

taken at the output coordinate system.

lxx = 165442500.61 lxy = 3975661.53 lxz = 13858469.43

lyx = 3975661.53 lyy = 153319579.20 lyz = 44860126.46

lzx = 13858469.43 lzy = 44860126.46 lzz = 16848438.97