Mass properties of Optimized mass design
Configuration: Default
Coordinate system: -- default --

Density = 0.00102 grams per cubic millimeter

Mass = 51777.91952 grams

Volume = 50762666.19766 cubic millimeters

Surface area = 1.97191 square meters

Center of mass: (meters)
X = -0.23312
Y = 0.13662
Z = 0.26243

Principal axes of inertia and principal moments of inertia: (grams * square meters)
Taken at the center of mass.

Ix = (0.04481, 0.91262, -0.40636)	Px = 2106.39322
Iy = (0.59609, 0.30199, 0.74396)	Py = 3162.88169
Iz = (0.80167, -0.27556, -0.53047)	Pz = 3432.17771

Moments of inertia: (grams * square meters)
Taken at the center of mass and aligned with the output coordinate system.

Lxx = 3333.82893	Lxy = 102.69352	Lxz = 95.28326
Lyx = 102.69352	Lyy = 2303.41590	Lyz = -431.15982
Lzx = 95.28326	Lzy = -431.15982	Lzz = 3064.20778

Moments of inertia: (grams * square meters)
Taken at the output coordinate system.

Ixx = 7866.18153	Ixy = -1546.41723	Ixz = -3072.38229
Iyx = -1546.41723	Iyy = 8683.21770	Iyz = 1425.26605
Izx = -3072.38229	Izy = 1425.26605	Izz = 6844.59581