

Mass properties of PackableFrame - Vision-01

Configuration: Default

Coordinate system : -- default --

Density = 930.00000000 kilogram s per cubic meter

Mass = 0.00138019 kilogram s

Volume = 0.00000148 cubic meters

Surface area = 0.00339013 square meters

Center of mass: (meters)

X = -0.00076394

Y = 0.00082500

Z = 0.00067221

Principal axes of inertia and principal moments of inertia: (kilogram s * square meters)

Then at the center of mass.

I_x = (0.999999723, 0.000000000, 0.00235553) P_x = 0.00000157

I_y = (0.00235553, 0.000000000, -0.999999723) P_y = 0.00000187

I_z = (0.000000000, 1.000000000, 0.000000000) P_z = 0.00000344

Moments of inertia: (kilogram s * square meters)

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

L_{xx} = 0.00000157 L_{xy} = 0.00000000 L_{xz} = 0.00000000

L_{yx} = 0.00000000 L_{yy} = 0.00000344 L_{yz} = 0.00000000

L_{zx} = 0.00000000 L_{zy} = 0.00000000 L_{zz} = 0.00000187

Moments of inertia: (kilogram s * square meters)

Then at the output coordinate system.

I_{xx} = 0.00000157 I_{xy} = 0.00000000 I_{xz} = 0.00000000

I_{yx} = 0.00000000 I_{yy} = 0.00000345 I_{yz} = 0.00000000

I_{zx} = 0.00000000 I_{zy} = 0.00000000 I_{zz} = 0.00000187