Mass properties of Assem1
     Configuration: Default
     Coordinate system: -- default --

Mass = 12703.22 grams

Volume = 12703218.51 cubic millimeters

Surface area = 596173.63 square millimeters

Center of mass: (millimeters)
        X = -12.62
        Y = 53.31
        Z = 140.29

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
         Ix = (0.02, 0.21, 0.98)   Px = 58061065.94
         Iy = (0.85, -0.52, 0.10)   Py = 656574987.89
         Iz = (0.53, 0.83, -0.19)   Pz = 673529294.68

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system.
        Lxx = 661077914.28   Lxy = -5209621.55   Lxz = 11758989.12
        Lyx = -5209621.55   Lyy = 641473732.05   Lyz = 126353514.54
        Lzx = 11758989.12   Lzy = 126353514.54   Lzz = 85613702.18

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system.
        Ixx = 947194749.02   Ixy = -13755964.53   Ixz = -10729752.85
        Iyx = -13755964.53   Iyy = 893506749.51   Iyz = 221364266.26
        Izx = -10729752.85   Izy = 221364266.26   Izz = 123743303.71