

File Info

Mass Properties File Name R:\ChemSensors\Gene M\profilingFloat\Calcs\BFVolumeCalcs.xlsx

Assembly File Name: C:\PDMWorkingDirectory\PFTestTank.SLDASM

Mass Properties Date: 10/22/2012 3:22:20 PM

Coordinate System: Coord Sys: Default

	Mass (kg)	Volume (m^3)	Displacemet (kg)	Net Buoyancy (kg)
At Surface	15.034	0.0059479	6.097	-8.937
At 200 m	15.034	0.0059474	6.102	-8.932
Difference		-0.01%	0.09%	0.0053

	X (m)	Y (m)	Z (m)
CG	0.0000	0.3907	0.0000
CB at Surface	0.0000	0.3591	0.0000
CB at 200 m	0.0000	0.3591	0.0000
CB Difference	-2.087E-17	-2.501E-05	9.908E-18
GB at Surface	0.0000	0.0316	0.0000
GB at 200 m	0.0000	0.0316	0.0000
GB Difference	2.087E-17	2.501E-05	-9.908E-18

Component Materials

Material Name	Material Match	Number of Components	Total Mass (kg)	Total Volume (m^3)
6061-T6 (SS)	Yes	12	14.0635562212719	0.005208724526397
Delrin 2700 NC010, Low Viscosity Acetal Copolymer (SS)	Yes	1	0.652638103245056	4.62863903010678E-04
NBR	Yes	1	0.31773895339932	2.76294742086365E-04
PVC Rigid	No Material Match	4	13.8802031822561	1.06770793709663E-02
See BOM	Yes	2		
Suppressed	No Material Match	116		
VITON	No Material Match	2	0.789779837503835	4.08936901311984E-04