CLAIMS

1. A vessel comprising:

a first shell part having a first dimension, a second dimension and a third dimension, the first and second dimensions of the first shell part defining a first major surface area, the first major surface area comprising rounded corners, and a perimeter of the first shell part having a first swept rim profile and a first flange that is parallel to the first major surface area and extending outwardly from a perimeter edge of the first swept rim profile, wherein the third dimension of the first shell defines a distance from the first major surface to the first flange;

a second shell part having a first dimension, a second dimension and a third dimension, the first and second dimensions of the second shell part defining a second major surface area, the second major surface area comprising rounded corners, and a perimeter of the second shell part having a second swept rim profile and a second flange that is parallel to the second major surface area and extending outwardly from a perimeter edge of the second swept rim profile, wherein the third dimension of the second shell defines a distance from the second major surface to the second flange;

an enclosed volume defined by a space interposed between an inner surface of the first shell part and an inner surface of the second shell part when a face surface of the first flange is joined together with a face surface of the second flange, wherein the enclosed volume is isolated from an exterior of the vessel;

wherein the vessel is comprised of a thermoplastic material;

wherein the face surfaces of the first and second flanges are joined by a heat weld;

wherein the thermoplastic material is a copolyester; and

where the copolyester is TritanTM MP100 supplied by the Eastman Chemical Company.