

ENDURA BARRIER CONTAINMENT TTZ SHELL PROPERTIES

Transformation-Toughened Zirconia is a high strength engineered ceramic manufactured by Coors Ceramics. Shells are 100% hydrostatically tested at 412 PSI, and have an excellent field record of durability and performance. Ceramics are non-conductive, and therefore do not produce eddy current losses or the associated heat, like metallic shells. This eliminates the need for external cooling and for process fluid circulation through the shell to remove heat.

While the TTZ ceramic shell is standard for the Barrier design, it can also be used in place of the metal shell on the MC, if desired. This will result in significant efficiency gain (by reducing horsepower requirements). Contact the Liquiflo Applications group for details on torque rating adjustment, efficiency adder and availability.