
Hot Pressing

Tokai Carbon has a range of Graphite grades designed for use in hot pressing or pressure sintering applications. The grades are used for moulds that produce diamond segments, ceramic cutting tool inserts, diamond core drills and ceramic armour plates. Our Isotropic grades are suited to the type of environment that is necessary to produce such items. Powder metallurgical processing requires extreme heat and pressure in order to ensure the final product is sintered thoroughly. Our materials are manufactured to have high thermal conductivity coupled with low coefficients of thermal expansion, resulting in the dimensional stability required for ceramic moulds.

