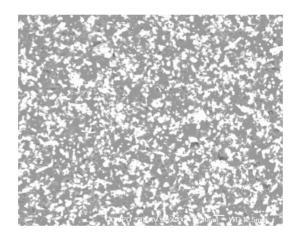
DuraWear *Lightweight Ceramic - Ceramic Composites*

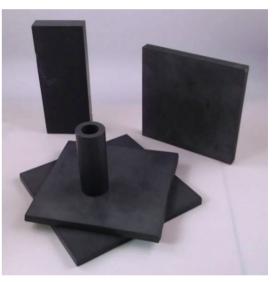
Hard ceramic composites for abrasive wear protection

- Boron Carbide based composite ceramics high intrinsic hardness for applications where abrasive wear is an issue
- High Boron Carbide content for increased hardness and wear protection
- Lightweight for applications where reduced weight is important
- Consolidation by pressureless sintering economical process with ability to form complex shapes
- Further densification possible without changing the material characteristics

DuraWear

$$\begin{split} Density &= 2.62g/cm^3\\ Hardness \ HV_{0.5} &= 31GPa\\ Toughness \ K_{Ic} &= 3.4\ MPa/m^2\\ &^{*}K_{Ic} \ toughness \ as measured by the Indentation method \end{split}$$





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