

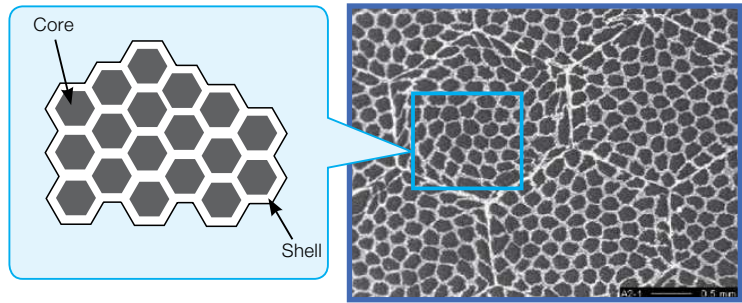
Honeycomb Structure CBN / CERAMIC

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Honeycomb structure is the high structural controlled composite material consisting of a hard and superior wear-resistance core (gray portion) and a tough shell (white portion).

FEATURES

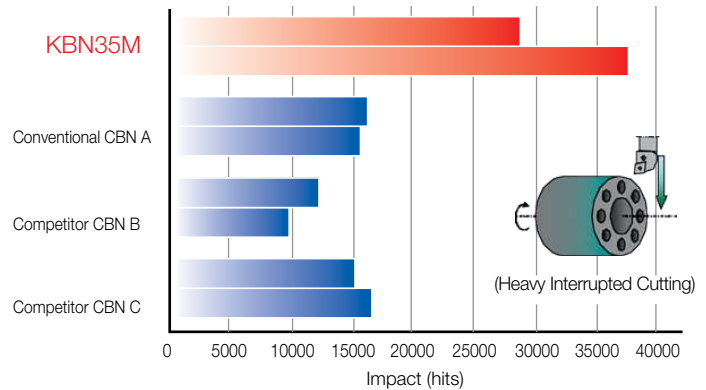
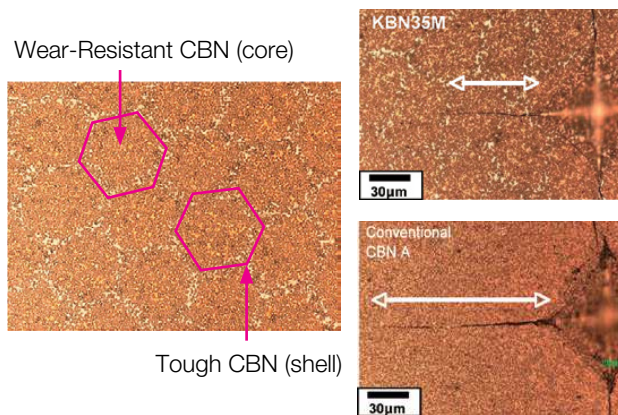
- Cell Fibers combine a hard, wear-resistant core and a tough shell into one insert.
- The tough shell stops cracks that form in the core.
- CBN is good for interrupted machining of exceptionally hard material and ceramic is good for heat-resistant alloys



FEATURES OF CBN				
Material	Description	Color	Main Component (Coating Composition)	Advantages
H Hardened Materials	KBN35M (MEGACOAT)	Blackish Red	CBN	<ul style="list-style-type: none"> • Honeycomb structure CBN composite material consisting of wear resistant CBN (core) and tough CBN (shell) • Heat-resistant MEGACOAT on tough Honeycomb structure CBN • Application: Stable machining of hardened steel at interrupted machining
S Heat-Resistant Alloys	CF1	Gray	Ceramic	<ul style="list-style-type: none"> • Honeycomb structure ceramic composite material consisting of wear resistant ceramic (core) and tough ceramic (shell) • Application: Machining of heat-resistant alloys like Ni-base heat-resistant alloys

■ KBN35M (MEGACOAT Honeycomb Structure CBN)

- Tough CBN (Shell) Prevents Crack Growth



■ Application Map

