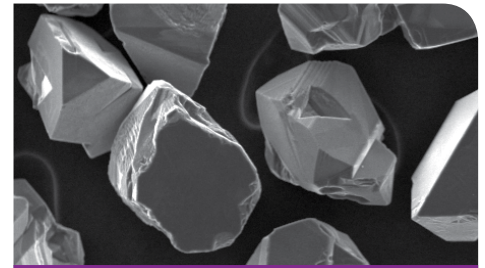


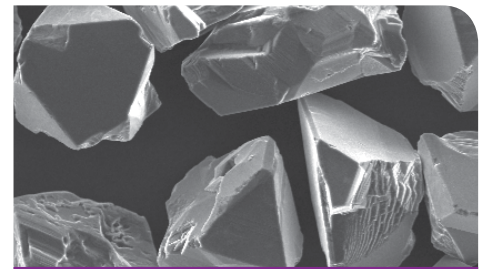


ENGINEERED PARTICLES / CUBIC BORON NITRIDE (CBN)

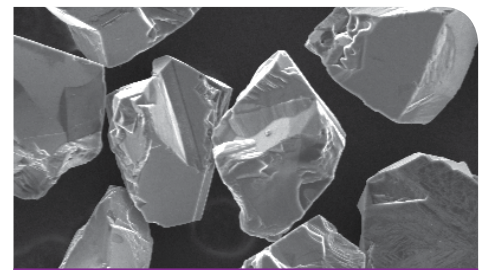
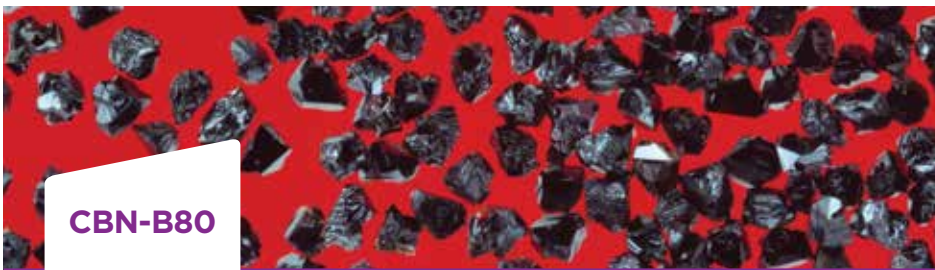
Cubic Boron Nitride (CBN) — CBN-SL, CBN-V, CBN-B80



A newly developed, higher strength amber-colored crystal. More blocky in shape than CBN-V, it is recommended for electroplated and strong resin bond systems on hardened tool steels and aerospace alloys. It is most commonly used in high force vitrified applications like automotive crank grinding. It is priced similar to CBN-V in most grit sizes.



A medium strength, amber-colored crystal with angular morphology. Due to its high thermal stability and macro fracturing, CBN-V is universally used worldwide for vitrified wheels in technically demanding automotive cam grinding and aerospace applications where high stock removal, consistency, no burn and competitive pricing are critical. It can provide longer wheel life and less burn in high stock removal applications using resin bond systems when coated with 60% nickel.



A unique, semi-blocky, monocrystalline, black crystal. Its strong crystal strength, sharp cutting edges and high thermal stability make B80 an excellent crystal for vitrified wheels where higher forces are typical. Stronger than B1, it micro fractures under load and provides a free cutting choice where price is less important. It is also available nickel-coated for resin wheels when a stronger crystal than B1 is needed.




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