

ILJIN Polycrystalline Cubic Boron Nitride Products

	SB100	SB95	SB90	SB80
Type	Solid form	Carbide backed	Carbide backed	Carbide backed
cBN(vol.%)	93	95	90	80
Grain size	10	3	3	3
Major Binder	Aluminum nitride	Titanium alloy	Titanium nitride	Titanium nitride
Characteristics and application	<ul style="list-style-type: none"> ✓ Extreme wear resistance due to coarser cBN of high content ✓ Rough machining of cast iron and powder metal alloys 	<ul style="list-style-type: none"> ✓ Extreme wear resistance due to high content cBN and metal binder ✓ Machining most kind of cast iron 	<ul style="list-style-type: none"> ✓ Higher toughness and heat resistance as alternative material of SB95 ✓ Machining non-homogeneous cast iron and powder metal alloys 	<ul style="list-style-type: none"> ✓ Combination of wear resistance and thermal properties ✓ Superior properties in machining of superalloy