

ILJIN Polycrystalline Cubic Boron Nitride Products

	SB70	SB60	SB50
Type	Carbide backed	Carbide backed	Carbide backed
cBN(vol.%)	70	60	50
Grain size	2	2	2
Major Binder	Titanium carbonitride	Titanium nitride	Titanium carbide
Characteristics and application	<ul style="list-style-type: none"> ✓ High degree of toughness due to fine microstructure of cBN and ceramic binder ✓ Rough and interrupted machining of hardened steel 	<ul style="list-style-type: none"> ✓ Combination of wear resistance and impact strength ✓ General usage in continuous and interrupted cutting of hardened steel 	<ul style="list-style-type: none"> ✓ Good thermal stability and crater wear resistance ✓ High-speed continuous machining of hardened steel