

NiCrBSi 62

CATEGORY	Metal Powders
TYPE	Gas atomized self fluxing nickel powder alloy against heavy wear
APPLICATIONS	Protective coatings on wear parts that need to outlast new parts where high temperatures and high abrasive wear is involved.
PROPERTIES	Self fluxing alloy with excellent corrosion and wear resistance suitable for working temperatures Up to 820°C. NiCrBSi 62 offers coatings that are dense and practically oxide free. The low friction properties makes the alloy excellently suitable for metal to metal wear. Machinable by grinding.
CLASSIFICATION	EN ISO 1274: 3.3
SUITABLE FOR	Turbine guide vanes, wire-drawing dies, fan blades, pump screws, conveyor screws, grit-blasting components,

CHEMICAL COMPOSITION IN WT-%:

Fe	Ni	Cr	B	Si	C
4.0	Rem.	16.0	3.00	4.25	0.7

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (N/mm ²) (N/mm ²)	R _m (N/mm ²)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness HRc
				-20°C	-40°C	-60°C	
							59-62

AVAILABLE PRODUCT FORMS

Distribution grain size			
Size μm*	Size μm*	Size μm*	Size μm*
-145/45	-106/45	-53/20	-45/10

REDRYING TEMPERATURE not required