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Competitive Labor Cost
Export From China To Oversea
Fast Catch up Bonded tech

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SmCo Powder

Production process for SmCo powder and compound:

Put the required metals (of 99.9% purity) composition (strictly according to desired content percentages) into inert gases, where they will be smelted into alloy ingots using hi-frequency heating or electric-arc heating, the alloy ingots will go through solid solution treatment under a certain temperature for a proper period of time, and will be cooled to achieve equality and uniformity, after necessary ageing treatment, they will be fragmentized and milled into stipulated particle size to create the final powder products, by mixing in with PPS or other adding elements, the SmCo compound will be produced. Characteristics for this process:

High-precision in purity of metals composition, low impurity (e.g. oxygen) content, high-availability of high-property powders.



Magnetic properties of Polymer bonded SmCo magnets by compressing moulding:

Grade	Br		HcB		HcJ		BHmax		Tc	Tw	aBr	ALLOY Series
	[mT]	[Gs]	KA/m	[Oe]	[KA/m]	[Oe]	[kJ/m ³]	[MGOe]	[°C]	[°C]	[%/°C]	
SB6A	400	4000	278	3500	800	10000	32	4.0	720	120	-0.08	1:5
SB8A	500	5000	318	4000	800	10000	48	6.0	720	120	-0.08	
SB10B	600	6000	358	4500	800	10000	64	8.0	720	120	-0.08	2:17
SB12B	700	7000	318	4000	400	5000	80	10.0	720	120	-0.08	
SB12HB	700		398	5000	800	10000	80	10.0	720	120	-0.08	