



粘结压制成型钕铁硼磁性能与物理性能表

Magnetic Characteristics and Physical Properties of Bonded Compression Moulding NdFeB

磁粉牌号 Grade		BN-2	BN-4	BN-6	BN-8L	BN-8	BN-8SR	BN-10	BN-10H	BN-12	BN-12L	BN-13L
剩磁Br	(mT)	300-400	400-500	500-600	600-650	630-680	620-680	680-730	700-750	720-770	760-810	780-830
Residual Induction	(KGs)	(3.0-4.0)	(4.0-5.0)	(5.0-6.0)	(6.0-6.5)	(6.3-6.8)	(6.2-6.8)	(6.8-7.3)	(7.0-7.5)	(7.2-7.7)	(7.6-8.1)	(7.8-8.3)
矫顽力Hcb	(KA/m)	240-320	240-320	320-400	360-440	400-480	400-480	400-480	440-520	440-520	400-480	400-480
Coercive Force	(KOe)	(3.0-4.0)	(3.0-4.0)	(4.0-5.0)	(4.5-5.5)	(5.0-6.0)	(5.0-6.0)	(5.0-6.0)	(4.5-6.5)	(5.5-6.5)	(5.0-6.0)	(5.0-6.0)
内禀矫顽力Hcj	(KA/m)	480-640	560-720	560-720	640-800	640-800	880-1120	640-800	640-800	720-800	480-640	480-640
Intrinsic Coercive Force	(KOe)	(6.0-8.0)	(7.0-9.0)	(7.0-9.0)	(8.0-10.0)	(8.0-10.0)	(11.0-14.0)	(8.0-10.0)	(8.0-10.0)	(9.0-10.0)	(6.0-8.0)	(6.0-8.0)
最大磁能积 (BH) max	(KJ/m3)	24-32	32-44	52-60	60-68	68-76	68-76	76-84	80-88	88-96	88-96	88-104
Max. Energy Product	(MGOe)	(3.0-4.0)	(4.0-5.5)	(6.5-7.5)	(7.5-8.5)	(8.5-9.5)	(8.5-9.5)	(9.5-10.5)	(10.0-11.0)	(11.0-12.0)	(11.0-12.0)	(11.0-13.0)
可逆透磁率 μ_r /Recoil Permeability	(μ H/M)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
平均可逆温度系数 Temperature Coefficient	(%/°C)	-0.11	-0.11	-0.11	-0.11	-0.11	-0.10	-0.10	-0.10	-0.10	-0.12	-0.12
居里温度Tc Curie Temperature	(°C)	300	300	300	300	350	350	350	350	350	320	320
最大工作温度 Max.Operating Temperature	(°C)	160	160	160	160	160	180	160	160	160	150	150
饱和磁化场	(KA/m)	>1600	>1600	>1600	>1600	>1600	>3000	>1600	>1600	>1600	>1600	>1600
Magnetizing Force	(KOe)	>20	>20	>20	>20	>20	>25	>20	>20	>20	>20	>20
密度 ρ Density	(g/m3)	4.5-5.0	5.0-5.5	5.5-6.0	5.8-6.0	5.8-6.1	5.8-6.1	5.8-6.1	6.0-6.3	6.0-6.3	6.0-6.3	6.1-6.4
硬度 Hardness	HRB	40-45	40-45	40-45	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38