

烧结钕钴永磁体系列性能参数

Magnetic Characteristic and Physical Properties Of SmCo Magnet

材料	牌号	磁能积		剩磁		矫顽力		内禀矫顽力		密度	剩磁温度系数	居里温度	工作温度
Material	Grade	Energy Product(BH)max		Residual Induction Br(min-max)		Coercive Force Hcb(min-max)		Intrinsic Coercive Force Hcj(min-max)		Density D	Rev. Temp Coeff α (Br)	Curie Temp TC	Max Working Temp Tw
		KJ/m ³	MGsOe	T	KGs	KA/m	KOe	KA/m	KOe				
SmCo5	XG16	120~143	15~18	0.77-0.86	7.7-8.6	613-716	7.7-9.0	≥1194	≥15.0	8.3	-0.04	≥740	250
	XG16H	120~143	15~18	0.77-0.86	7.7-8.6	613-716	7.7-9.0	≥1592	≥20.0				
	XG18	135~159	17~20	0.81~0.92	8.1~9.2	637~756	8.0~9.5	≥1194	≥15.0				
	XG18H	135~159	17~20	0.81~0.92	8.1~9.2	637~756	8.0~9.5	≥1592	≥20.0				
	XG20	151~175	19~22	0.85~0.95	8.5~9.5	637~756	8.0~9.5	≥1194	≥15.0				
	XG20H	151~175	19~22	0.85~0.95	8.5~9.5	637~756	8.0~9.5	≥1592	≥20.0				
	XG22	167~191	21~24	0.89~1.0	8.9~10.0	661~772	8.3~9.7	≥1194	≥15.0				
	XG22H	167~191	21~24	0.89~1.0	8.9~10.0	661~772	8.3~9.7	≥1592	≥20.0				
Sm2Co17	XGS24M	175~199	22~25	0.92~1.04	9.2~10.4	318~788	4.0~9.9	398~1194	5.0~15.0	8.4	-0.03	≥850	350
	XGS24	175~199	22~25	0.92~1.04	9.2~10.4	661~796	8.3~10.0	1194~1990	15.0~25.0				
	XGS24H	175~199	22~25	0.92~1.04	9.2~10.4	661~804	8.3~10.1	> 1990	> 25.0				
	XGS26M	191~215	24~27	1.0~1.06	10.0~10.6	318~796	4.0~10.0	398~1194	5.0~15.0				
	XGS26	191~215	24~27	1.0~1.06	10.0~10.6	677~820	8.5~10.3	1194~1990	15.0~25.0				
	XGS26H	191~215	24~27	1.0~1.06	10.0~10.6	677~820	8.5~10.3	> 1990	> 25.0				
	XGS28M	207~231	26~29	1.04~1.10	10.4~11.0	318~804	4.0~10.1	398~1194	5.0~15.0				
	XGS28	207~231	26~29	1.04~1.10	10.4~11.0	677~820	8.5~10.3	1194~1990	15.0~25.0				
	XGS28H	207~231	26~29	1.04~1.10	10.4~11.0	677~820	8.5~10.3	> 1990	> 25.0				
	XGS30M	223~247	28~31	1.07~1.12	10.7~11.2	318~804	4.0~10.1	398~1194	5.0~15.0				
	XGS30	223~247	28~31	1.07~1.12	10.7~11.2	700~828	8.8~10.4	1194~1990	15.0~25.0				
	XGS30H	223~247	28~31	1.07~1.12	10.7~11.2	700~828	8.8~10.4	> 1990	> 25.0				
	XGS32M	231~255	29~32	1.09~1.15	10.9~11.5	318~804	4.0~10.1	398~955	5.0~12.0				
XGS32	231~255	29~32	1.09~1.15	10.9~11.5	716~836	9.0~10.5	> 955	> 12.0					
低温温度系数 Low Temp Coeff Sm2Co17	XGS22LT	159~183	20~23	0.90~0.99	9.0~9.9	677~756	8.5~9.5	≥1194	≥15.0	8.4	-0.015	≥850	350
	XGS24LT	175~199	22~25	0.92~1.02	9.2~10.2	677~756	8.5~9.5	≥1194	≥15.0				