

Magnet Products

Table of Properties

Material	Grade	(BH) max		Br		HcJ		HcB	
		kJ/m ³	MGOe	mT	G	kA/m	Oe	kA/m	Oe
Sintered AlNiCo	Koerzit S 130	10.3	1.3	550	5500	57	716	54	679
	Koerzit S 160	13.5	1.7	650	6500	60	754	57	716
	Koerzit S 190	16.7	2.1	750	7500	62	57	60	754
	Koerzit S 260	22.3	2.8	640	6400	114	1433	105	1319
	Koerzit S 400	31.8	4.0	1100	11000	65	817	64	804
	Koerzit S 500	41.4	5.2	1240	12400	51	641	51	641
	Koerzit S 450	43.8	5.5	880	8800	119	1495	115	1445
	Koerzit S 1800	43.8	5.5	740	7400	160	2011	150	1885
Injection Bonded Ferrite	Koerox I 1/20 PA	1.7	0.21	103	1030	220	2765	70	880
	Koerox I 2/20 PA	2.7	0.34	128	1280	220	2765	86	1081
	Koerox I 5/22 PA	5.2	0.65	170	1700	220	2765	120	1508
	Koerox I 6/22 PA	6.7	0.84	190	1900	220	2765	131	1646
	Koerox I 9/22 PA	8.9	1.12	219	2190	220	2765	151	1898
	Koerox I 9/30 PA	8.9	1.12	220	2200	300	3770	151	1898
	Koerox I 10/22 PA	10.3	1.29	236	2360	220	2765	157	1973
	Koerox I 12/23 PA	11.5	1.45	250	2500	230	2890	161	2023
	Koerox I 13/24 PA	13.0	1.63	265	2650	235	2953	173	2174
	Koerox I 14/24 PA	14.3	1.80	276	2760	230	2890	175	2199
	Koerox I 8/20 PS	7.5	0.94	200	2000	195	2450	134	1684
	Koerox I 8/29 PS	7.4	0.93	205	2050	300	3770	136	1709
	Koerox I 9/18 PS	10.2	1.28	235	2350	180	2262	147	1847
	Koerox I 11/18 PS	11.7	1.47	250	2500	167	2099	138	1734
	Injection Bonded Ferrite/Nd	Koerox HI 19 PA	18.5	2.32	315	3150	280	3519	215
Koerox HI 22 PA		22.4	2.81	345	3450	300	3770	220	2765
Koerox HI 28 PA		28.0	3.52	390	3900	320	4021	245	3079
Injection Bonded NdFeB	Koerdym I 32PA	32	4.0	450	4500	1000	12566	300	3770
	Koerdym I 35PA	35	4.4	480	4800	650	8168	300	3770
	Koerdym I 38PA	38	4.8	490	4900	1000	12566	320	4021
	Koerdym I 39PA	39	4.9	480	4800	590	7414	310	3896
	Koerdym I 42PA	42	5.3	520	5200	650	8168	320	4021
	Koerdym I 43PA	43	5.4	520	5200	760	9550	330	4147
	Koerdym I 47PA	47	5.9	550	5500	550	6912	330	4147
Compression Bonded NdFeB	Koerdym C 60EP	60	7.54	600	6000	1100	13816	485	6100
	Koerdym C 61EP	61	7.7	605	6050	1190	14953	400	5000
	Koerdym C 63EP	63	7.91	610	6100	950	11932	410	5200
	Koerdym C 64EP	64	8.1	635	6350	1010	12691	485	6100
	Koerdym C 68EP	68	8.8	620	6200	670	8419	640	8000
	Koerdym C 80EP	80	10.05	700	7000	680	8545	455	5700
	Koerdym C 83EP	83	10.4	660	6600	760	9550	475	6000
	Koerdym C 86EP	86	10.8	710	7100	560	7037	400	5000
Sintered NdFeB	Koerdym S 50M	398	50	1430	14300	950	11941	915	11501
	Koerdym S 48A	374	47	1390	13900	1195	15021	1050	13198
	Koerdym S 41B	327	41	1310	13100	1354	17019	960	12067
	Koerdym S 45A	358	45	1370	13700	1195	15021	1025	12884
	Koerdym S 43A	343	43	1340	13400	1194	15008	985	12381
	Koerdym S 42A	334	42	1310	13100	1195	15021	1025	12884
	Koerdym S 46B	358	45	1360	13600	1020	12821	1020	12821
	Koerdym S 40A	319	40	1280	12800	1194	15008	1000	12570
	Koerdym S 40HC	319	40	1290	12900	1553	19521	940	11815
	Koerdym S 38KC	303	38	1260	12600	1712	21519	985	12381
	Koerdym S 37B	295	37	1250	12500	1354	17019	920	11564
	Koerdym S 36HC	287	36	1230	12300	1553	19521	960	12067
	Koerdym S 35UC	279	25	1200	12000	2150	27025	900	11313
	Koerdym S 34KC	271	34	1200	12000	1712	21519	915	11501
	Koerdym S 31UC	247	31	1140	11400	2150	27025	850	10684
	Koerdym S 31VC	247	31	1130	11300	2627	33021	865	10873
	Koerdym S 28VC	223	28	1080	10800	2627	33021	810	10181

*All values are typical

contact KOLEKTOR MAGNET TECHNOLOGY GmbH for up-to-date specifications

revised 10.08.2009