

Magetic Properties of Injection Ferrite Magnet

Material Grade		Unit	BFI02.I*	BFI05.I	BFI06.I	BFI06.I	BFI08.A*	BFI10.A	BFI12.A	BFI13.A	BFI14.A	BFI15.A	BFI16.A	BFI17.A	BFI13B.A	BFI15B.A	BFI16B.A	BFI13C.A		
Binder			PA12	PA6	PA6	PA12	PA6							PA12			PPS			
Remanence (Br)		Gs	1100-1300	1300-1600	1700-1900	1700-1900	2000-2200	2050-2250	2200-2400	2450-2650	2600-2800	2650-2850	2750-2950	2850-3050	2500-2700	2650-2850	2800-3000	2600-2800		
		mT	110-130	130-160	170-190	170-190	200-220	205-225	220-245	245-265	260-280	265-285	275-295	285-305	250-270	265-285	280-300	260-280		
Coercive Force		Hc		Oe	950-1100	1100-1500	1500-1700	1500-1700	1750-1950	2000-2200	2050-2350	2200-2400	2300-2500	2450-2650	2350-2650	2200-2500	2350-2550	2300-2500	2400-2600	2300-2500
				kA/m	76-88	87-119	119-135	119-135	139-155	159-175	163-187	175-191	183-199	195-211	187-211	175-199	187-203	183-199	191-207	183-199
		Hcj		Oe	2350-2450	2600-3000	2800-3000	2800-3000	2600-2800	3400-3600	2600-2900	3050-3250	2900-3200	2700-3000	2800-3100	2350-2650	2850-3150	2900-3200	2900-3200	2900-3100
				kA/m	185-196	207-239	223-239	223-239	207-223	271-287	207-231	243-259	230-254	215-239	223-247	187-211	227-251	231-255	231-255	230-247
Max. Energy Product		(BH)max		MGOe	0.25-0.35	0.35-0.65	0.65-0.85	0.65-0.85	1.00-1.20	1.05-1.25	1.35-1.55	1.50-1.75	1.65-1.90	1.85-2.05	1.95-2.15	2.0-2.3	1.55-1.75	1.80-2.0	2.00-2.20	1.60-1.80
				kJ/m ³	2.0-2.8	2.8-5.2	5.2-6.8	5.2-6.8	8.0-9.6	8.4-10.0	10.8-12.4	12.2-14.0	13.2-15.2	14.8-16.4	15.6-17.2	16.0-18.4	12.4-14.0	14.4-16.0	16.0-17.6	12.8-14.4
Rever. Temp. Coeff.		α (Br)	%/°C	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	
		β (Hcj)	%/°C	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	+0.30	

Remark: All the data listed in the table are measured as per standard IEC60404-5:1995
 "I" / Isotropic, "A" / Anisotropic