



Bonded Ferrite



Composition Characteristics

Grade	Powder	Process	Binder
JFI-022		Injection	
JFI-032		Injection	
JFI-162		Injection	
JFI-182		Injection	
JFI-192		Injection	
JFI-202		Injection	
JFI-212		Injection	
JFI-222		Injection	
FBP-1210		Injection	PA6



Grade	Powder	Process	Binder
FBP-1211		Injection	PA6/12
FBP-1212		Injection	PA6/12
FBP-1213		Injection	PA6/12
FBP-1214		Injection	PA6/12
FBP-1215		Injection	PA6/12
FBP-1216		Injection	PA6/12
FBP-1217		Injection	PA6/12
FBP-1218		Injection	PA6/12
FBP-1219		Injection	PA6/12
FBP-1220		Injection	PA6/12
FBP-1221		Injection	PA6/12
FBP-1222		Injection	PPS
WT-S62	Sr-Fe	Injection	PA6
WT-S65	Sr-Fe	Injection	PA6
WT-S68	Sr-Fe	Injection	PA6
WT-F26S	Sr-Fe	Injection	PA12
WT-A27E	Sr-Fe	Injection	PA12
WT-1220KD3	Sr-Fe	Injection	PA12
WT-1618	Sr-Fe	Injection	PPS
WT-1619	Sr-Fe	Injection	PPS
WT-XNA3	NdFeB-Fe	Injection	PA12
WT-XNA4	NdFeB	Injection	PA12
WT-XNA5	NdFeB	Injection	PA12
WT-NAA6	NdFeB	Injection	PA12



Grade	Powder	Process	Binder
NF04			CPE
NF06			CPE
NF07			CPE
NF09			CPE
NF10			CPE
NF11			CPE

Magnetic Characteristics

Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m	KJ/m ³	MGOe
JFI-022	102	1.02	1020	80	1.000	1000	2.300	183	1.6	0.20
JFI-032	134	1.34	1340	91	1.140	1140	2.000	159	2.8	0.35
JFI-162	260	2.60	2600	183	2.300	2300	2.900	231	13.1	1.60
JFI-182	272	2.72	2720	183	2.300	2300	2.800	223	14.3	1.80
JFI-192	280	2.80	2800	183	2.300	2300	2.700	215	15.1	1.90
JFI-202	292	2.92	2920	175	2.200	2200	2.500	199	16.5	2.10
JFI-212	298	2.98	2980	183	2.300	2300	2.700	215	17.1	2.15
JFI-222	304	3.04	3040	171	2.150	2150	2.350	187	18.5	2.30
FBP-1210	65-75	.65-.75	650-750	40-48	.503-.603	503-603	2.40-2.89	190-230	0.6-0.8	.07-0.1
FBP-1211	110-130	1.10-1.30	1100-1300	70-85	.880-1.068	880-1068	2.40-2.89	190-230	1.5-3.0	0.19-0.38
FBP-1212	130-150	1.30-1.50	1300-1500	85-105	1.070-1.320	1070-1320	2.40-2.89	190-230	3.0-4.2	0.38-0.53
FBP-1213	210-240	2.10-2.40	2100-2400	120-170	1.510-2.140	1510-2140	2.01-2.89	160-230	7.0-12.0	0.88-1.50



Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m	KJ/m ³	MGOe
FBP-1214	250-260	2.50-2.60	2500-2600	164-174	2.060-2.190	2060-2190	2.64-2.89	210-230	11.9-12.5	1.50-1.57
FBP-1215	250-260	2.50-2.60	2500-2600	174-184	2.190-2.310	2190-2310	2.89-3.52	230-280	12.1-12.7	1.52-1.60
FBP-1216	250-260	2.50-2.60	2500-2600	184-194	2.310-2.440	2310-2440	3.25-4.00	280-320	12.3-12.9	1.55-1.62
FBP-1217	270-280	2.70-2.80	2700-2800	170-190	2.140-2.390	2140-2390	2.64-2.89	210-230	14.3-14.9	1.80-1.87
FBP-1218	270-280	2.70-2.80	2700-2800	180-200	2.260-2.390	2260-2390	2.89-3.52	230-280	14.4-15.0	1.80-1.88
FBP-1219	270-280	2.70-2.80	2700-2800	190-200	2.390-2.510	2390-2510	3.52-4.00	280-320	14.5-15.1	1.82-1.89
FBP-1220	275-285	2.75-2.85	2750-2850	180-200	2.260-2.510	2260-2510	2.64-3.14	210-250	14.7-15.5	1.85-1.95
FBP-1221	285-295	2.85-2.95	2850-2950	190-210	2.390-2.640	2390-2640	2.64-3.14	210-250	15.5-17.0	1.95-2.14
FBP-1222	245-265	2.45-2.65	2450-2650	170-180	2.140-2.260	2140-2260	2.64-3.14	210-250	11.0-13.0	1.38-1.63
WT-S62	239	2.39	2390	177	2.23	2230	2.72	216	11.1	1.40
WT-S65	275	2.75	2750	186	2.34	2340	2.78	221	14.9	1.90
WT-S68	289	2.89	2890	189	2.38	2380	2.72	218	16.5	2.10
WT-F26S	275	2.75	2750	187	2.35	2350	2.87	176	15.4	1.90
WT-A27E	284	2.84	2840	191	2.40	2400	2.85	227	16	2.00
WT-1220K D3	288	2.88	2880	190	2.39	2390	2.88	229	16.5	2.10
WT-1618	260	2.60	2600	180	2.26	2260	2.45	195	13.5	1.70
WT-1619	280	2.80	2800	463	2.05	2050	2.24	178	15.1	1.90
WT-XNA3	394	3.94	3940	241	3.04	3040	8.46	674	25.4	3.20



Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m	KJ/m ³	MGOe
WT-XNA4	424	4.24	4240	276	3.47	3470	9.00	716	32.4	4.10
WT-XNA5	490	4.90	4900	338	4.25	4250	9.01	717	39.2	4.90
WT-NAA6	527	5.27	5270	355	4.47	4470	9.11	725	48.6	6.10
NF04	140-160	1.4-1.6	1400-1600	80-104	1.000-1.300	1000-1300	1.60-2.40	127-191	3.18-4.78	.40-.60
NF06	160-190	1.6-1.9	1600-1900	96-111	1.200-1.400	1200-1400	1.50-2.40	120-191	4.78-6.37	.60-.80
NF07	190-220	1.9-2.2	1900-2200	104-135	1.300-1.700	1300-1700	2.00-2.80	160-223	6.37-7.96	.80-1.00
NF09	220-230	2.2-2.3	2200-2300	131-159	1.650-2.000	1650-2000	2.00-2.80	160-223	7.96-9.55	1.00-1.20
NF10	230-240	2.3-2.4	2300-2400	151-167	1.900-2.100	1900-2100	2.40-3.20	191-255	9.55-10.75	1.20-1.35
NF11	240-250	2.4-2.5	2400-2500	159-179	2.000-2.250	2000-2250	2.40-3.30	191-263	10.75-11.94	1.35-1.50

Mechanical/Physical Characteristics

Grade	Density	Elongation	Heat Deflection	Tensile AS TM-D638	Tensile AS TM-D638	Flexural A STM-D970	Flexural A STM-D970	Izod ASTM-D256	Hardness
	g/cm ³	lbs/in ²	OHM cm	%	C		N/mm ²		Mpa
JFI-022	2.82	0.08		471	480	935	950		103
JFI-032	3.35	0.07		588	600	1177	1200		110



Grade	Density	Elongation	Heat Deflection	Tensile AS TM-D638	Tensile AS TM-D638	Flexural A STM-D970	Flexural A STM-D970	Izod ASTM-D256	Hardness
	g/cm3	lbs/in2	OHM cm	%	C		N/mm ²		Mpa
JFI-162	3.41	0.05		588	600	1275	1300		112
JFI-182	3.51	0.05		588	600	1177	1200		114
JFI-192	3.60	0.04		490	500	1177	1200		115
JFI-202	3.73	0.04		588	600	981	1000		115
JFI-212	3.80	0.04		441	450	784	800		115
JFI-222	3.85	0.04		422	430	784	800		115
FBP-1210	2.4-2.5		110		630		1000	25	102
FBP-1211	2.7-3.2		110		630		1100	25	103
FBP-1212	3.2-3.7		115		630		1100	24	103
FBP-1213	3.0-3.5		113		630		1100	23	104
FBP-1214	3.35-3.55		117		630		1200	23	116
FBP-1215	3.35-3.55		117		630		1150	23	110
FBP-1216	3.35-3.55		118		600		1150	21	112
FBP-1217	3.5-3.65		120		550		1200	20	112
FBP-1218	3.5-3.65		120		550		1200	19	114
FBP-1219	3.5-3.65		125		500		1200	17	115
FBP-1220	3.6-3.7		128		470		900	12	115
FBP-1221	3.65-3.75		135		450		800	12	115
FBP-1222	3.48-3.65		137		430		800	8.5	115
WT-S62	3.30		170	80.3	819	160	1635	20.9	
WT-S65	3.60		157	77.7	792	162	1652	21.9	



Grade	Density	Elongation	Heat Deflection	Tensile AS TM-D638	Tensile AS TM-D638	Flexural A STM-D970	Flexural A STM-D970	Izod ASTM-D256	Hardness
	g/cm ³	lbs/in ²	OHM cm	%	C		N/mm ²		Mpa
WT-S68	3.80		172	72.5	740	159	1620	23.9	
WT-F26S	3.70		135	55.2	586	118	1065	24.9	
WT-A27E	3.70		113	43.4	443	95	968	25.9	
WT-1220KD3	3.80		135	57.5	586	108	1104	26.9	
WT-1618	3.70		208			70	715	7	
WT-1619	3.70		208			80	818	6	
WT-XNA3	4.50		145	58	592	108	1100	20	
WT-XNA4	4.70		140	60	612	116	1185	21.4	
WT-XNA5	5.00		140	59	601	113	1152	16.4	
WT-NAA6	5.40		140	52.5	535	90	918	8.1	
NF04	3.65-3.70	450-750		60-85					
NF06	3.65-3.70	350-750		60-85					
NF07	3.65-3.70	300-650		60-85					
NF09	3.65-3.70	100-300		40-65					
NF10	3.70-3.80	200-500		40-75					
NF11	3.70-3.80	70-350		45-75					

