Typical Electrical and Magnetic Property

Grade		Density (kg/dm^3)	Resistivity Ω m ($X10^{-8}$)	Core Loss								Magnetic Flux Density. (T)	
				Watt per kilogram				Watt per pound					
POSCO	IS648			W10/50	W15/50	W10/60	W15/60	W10/50	W15/50	W10/60	W15/60	B25	B50
35PN270	35C270	7.65	52	1.02	2.40	1.28	3.00	0.46	1.09	0.58	0.21	1.58	1.67
35PN300	35C300	7.65	45	1.08	2.53	1.38	3.18	0.49	1.15	0.63	0.22	1.59	1.69
35PN360	35C360	7.65	45	1.25	2.80	1.55	3.45	0.57	1.27	0.70	0.26	1.59	1.69
35PN440		7.70	42	1.39	3.08	1.73	3.82	0.63	1.40	0.79	0.29	1.62	1.71
50PN310	50C310	7.65	53	1.21	2.70	1.55	3.46	0.55	1.23	0.70	1.57	1.59	1.68
50PN350	50C350	7.65	50	1.30	2.93	1.63	3.74	0.59	1.33	0.74	1.70	1.60	1.69
50PN400	50C400	7.65	45	1.41	3.18	1.82	4.01	0.64	1.44	0.83	1.82	1.61	1.70
50PN470	50C470	7.70	42	1.64	3.55	2.06	4.56	0.74	1.61	0.94	2.07	1.61	1.70
50PN600	50C600	7.75	34	1.98	4.40	2.49	5.63	0.90	2.00	1.13	2.56	1.62	1.71
50PN700	50C700	7.80	30	2.62	5.55	3.30	7.03	1.19	2.52	1.50	3.19	1.64	1.72
50PN800	50C800	7.85	17	2.93	6.26	3.63	7.94	1.33	2.84	1.65	3.60	1.66	1.74
50PN1000	50C1000	7.85	17	3.20	6.80	4.10	8.62	1.45	3.09	1.86	3.91	1.67	1.75
50PN1300		7.85	17	3.75	7.56	4.75	9.54	1.70	3.43	2.16	4.33	1.67	1.75
65PN470	65C470	7.70	42	1.91	4.16	2.59	5.45	0.87	1.89	1.18	2.47	1.62	1.70
65PN600	65C600	7.75	34	2.27	5.14	3.09	6.68	1.03	2.33	1.40	3.03	1.63	1.72
65PN700	65C700	7.80	30	3.02	6.47	4.06	8.33	1.37	2.94	1.84	3.78	1.65	1.73
65PN800	65C800	7.85	17	3.38	7.28	4.56	9.39	1.53	3.30	2.07	4.26	1.67	1.75
65PN1000	65C1000	7.85	17	3.64	7.86	5.00	10.14	1.65	3.57	2.27	4.60	1.68	1.75
65PN1300		7.85	17	4.32	8.79	5.83	11.29	1.96	4.00	2.65	5.13	1.68	1.75

Note: Above values are not guaranteed. W15/50 indicates the core loss at the frequency of 50 Hz, magnetic flux density of 1.5T.
Tests are conducted in accordance with IEC60404-2 (or JIS C 2550-2000) method.