

Material Properties		Magnetic powder: Ferrite							
		Base resin: PA6							
		Working Temperature: -20°C to +150°C							
Material Model		MF-613	MF-614	MF-616	MF-617	MF-618	MF-620	MF-621	MF-622
MAGNETIC		ANISOTROPI	ANISOTROPI	ANISOTROPI	ANISOTROPI	ANISOTROPI	ANISOTROPI	ANISOTROPI	ANISOTROPI
Residual flux density (Br)	mT	240	240	262	270	277	290	295	304
Residual flux density (Br)	GS	2400	2400	2620	2700	2770	2900	2950	3040
Coercive force (bHc)	KA/m	168	171	190	190	187	182	178	198
Coercive force (bHc)	Oe	2111	2149	2388	2388	2350	2287	2237	2488
Intrinsic coercive force (iHc)	KA/m	230	235	240	230	228	217	210	243
Intrinsic coercive force (iHc)	Oe	2890	2953	3016	2890	2865	2727	2639	3054
Maximum energy product	KJ/m3	11.1	11.1	13.3	14.2	15	16.3	17	17.9
Maximum energy product	MGOe	1.39	1.39	1.67	1.78	1.88	2.05	2.14	2.25
Thermal coefficient (Br/Br)	%/OC	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
Thermal coefficient (Hc/Hc)	%/OC	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Tensile strength	MPa	100	102	90	70	73	83	73	70
Flexural strength	MPa	185	189	170	160	167	173	157	166
Specific gravity	g/cm3	3.3	3.3	3.45	3.45	3.6	3.73	3.8	3.88

Material Properties		Magnetic powder: Ferrite							
		Base resin: PA12					Base resin: PPS		
		Working Temperature: -40°C to +120°C					Working Temperature: -40°C to +150°C		
Material Model		MF-1212	MF-1216	MF-1218	MF-1219	MF-1220	MF-2213	MF-2216	MF-2218
MAGNETIC PROPERTIES		ANISOTROPIC	ANISOTROPIC	ANISOTROPIC	ANISOTROPIC	ANISOTROPIC	ANISOTROPIC	ANISOTROPIC	ANISOTROPIC
Residual flux density (Br)	mT	227	257	270	283	288	237	258	267
Residual flux density (Br)	Gs	2270	2570	2700	2830	2880	2370	2580	2670
Coercive force (bHc)	KA/m	171	194	185	188	187	174	160	175
Coercive force (bHc)	Oe	2145	2438	2325	2320	2350	2187	2011	2199
Intrinsic coercive force (iHc)	KA/m	280	264	235	228	227	204	190	225
Intrinsic coercive force (iHc)	Oe	3516	3318	2953	2865	2853	2564	2388	2827
Maximum energy product (Bhmax)	KJ/m3	10	13	14.3	15.6	16.2	11	13	13.8
Maximum energy product (Bhmax)	MGOe	1.26	1.63	1.8	1.96	2.04	1.38	1.63	1.73
Thermal coefficient (Br/Br)	%/0C	-0.19	-0.19	-0.19	-0.19	-0.19	0.19	0.19	0.19
Thermal coefficient (Hc/Hc)	%/0C	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Tensile strength	MPa	62	59	59	57	45.5	58	55	50
Flexural strength	MPa	105	121	112	106	90.6	125	95	93
Specific gravity	g/cm3	3.08	3.4	3.52	3.63	3.7	3.34	3.55	3.6