Hard Ferrite Compounds

	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	JIS C2501				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
Nylon 6 base (anisotropic)										
PROCOM2406	242	185	264	11,6	3,27	310	270°C×10kg	178	24,2	169
PROCOM2506	249	187	247	12,3	3,36	105	270°C×10kg	192	29,4	-
PROCOM2606	258	193	247	13,1	3,45	83	270°C×10kg	194	25,0	-
PROCOM2606-H	266	191	239	14,0	3,52	89	270°C×10kg	190	21,6	174
PROCOM2706	277	185	219	15,2	3,60	115	270°C×10kg	175	18,0	-
PROCOM2806	284	189	219	15,8	3,66	125	270°C×10kg	171	15,0	-
PROCOM2806-H	287	192	220	16,2	3,65	150	270°C×10kg	187	17,9	-
PROCOM2906	293	185	205	16,9	3,76	78	270°C×10kg	166	13,7	172
PROCOM3006	302	177	193	17,8	3,84	102	270°C×10kg	165	10,8	-

	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	JIS C2501				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
Nylon 12 base (anisotropic)										
PROCOM2300	235	177	251	10,9	3,21	130	270°C×10kg	125	28,0	-
PROCOM2300-E	235	180	260	11,0	3,20	100	270°C×10kg	110	-	108
PROCOM2400	238	177	250	11,1	3,23	200	270°C×10kg	133	31,0	-
PROCOM2500	245	185	251	11,9	3,30	110	270°C×10kg	129	26,5	-
PROCOM2600	257	192	251	13,0	3,41	90	270°C×10kg	128	21,4	-
PROCOM2700	268	191	234	14,1	3,50	78	270°C×10kg	129	18,0	136
PROCOM2800	281	200	233	15,6	3,61	105	270°C×10kg	124	15,7	-
PROCOM2900	290	191	215	16,6	3,69	74	270°C×10kg	130	15,0	-
PROCOM3000	297	189	211	17,3	3,80	75	270°C×10kg	108	10,6	-
PROCOM3100	309	175	191	18,5	3,85	87	270°C×10kg	99	9,1	-
PROCOM3200	322	203	240	20,6	3,90	109	270°C×10kg	110	8,0	-
PPS base (anisotropic)										
PROCOM2409	235	170	203	10,9	3,35	110	330°C×10kg	110	11,5	-
PROCOM2609	263	173	195	13,5	3,59	110	330°C×10kg	94	7,8	-
PROCOM2709	269	186	224	14,1	3,62	115	330°C×10kg	128	10,0	-
PROCOM2809	278	165	190	15,0	3,72	125	330°C×10kg	95	7,4	-

Hybrid Compounds (Ferrite + NdFeB)

	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	EMAS-7007				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
Nylon 12 base (isotropic)										
PROCOM200YI	345	224	572	20,3	4,38	380	270°C×10kg	114	-	-
PROCOM260YI	394	251	643	26,3	4,67	168	270°C×10kg	111	-	-
PPS base (isotropic)										
PROCOM209YI	353	226	598	20,7	4,52	67	270°C×10kg	114	-	-

NdFeB Compounds

	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	EMAS-7007				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
Nylon 12 base (isotropic)										
PROCOM330NI	437	302	756	33,0	4,49	330	270°C×5kg	123	-	-
PROCOM390NI	477	326	728	39,0	4,60	230	270°C×5kg	108	-	-
PROCOM420NI	497	339	741	42,4	4,91	220	270°C×5kg	129	-	-
PROCOM490NI	539	362	744	49,3	5,04	300	270°C×5kg	128	-	146
PROCOM500NI	548	364	753	50,1	5,30	680	270°C×5kg	106	-	-
PROCOM560NI	587	376	717	56,8	5,37	250	270°C×5kg	88	-	-
PROCOM640NI	627	404	718	64,6	5,54	330	270°C×2.16kg	64	-	-
PROCOM680NI	646	415	713	68,8	5,68	180	270°C×2.16kg	76	-	142
PROCOM760NI	692	428	680	76,6	6,02	160	270°C×2.16kg	67	-	-
PPS base (isotropic)										
PROCOM489NI	525	365	915	47,9	5,20	450	330°C×10kg	108	-	-
PROCOM539NI	562	374	688	53,1	5,20	220	330°C×5kg	93	-	-
PROCOM569NI	583	385	672	56,8	5,35	340	330°C×10kg	90	-	241
Nylon 12 base (anisotropic)										
PROCOM990NA	809	546	1171	116,8	5,14	450	270°C×5kg	94	-	-

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	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	EMAS-7007				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
PPS base (anisotropic)										
PROCOM849NA	682	471	1133	84,6	4,66	610	330°C×10kg	87	-	-
PROCOM809NA	659	473	1351	80,9	4,65	550	33°C×10kg	88	-	-

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SmCo Compounds

	Magnetic Properties				Physical Properties					
Test Method (Ref. standard)	JIS C2501				ASTM D-792	ASTM D-1238		ASTM D-790	ASTM D-256	JIS K7191-1,-2
Item	Br Residual Induction	bHc Coercive Force	JHc Intrinsic Coercivity	BHmax Max. Energy Product	Molded Density	MFR Melt Flow Rate		Flexural Strength	IZOD Impact Strength	Deflection temp. under load (1.8MPa)
Unit	mT	kA/m	kA/m	kJ/m3	g/cm3	g/10min	Measurement condition	Mpa	kJ/m2	°C
Nylon 12 base										
PROCOM660SA	586	434	899	66,2	5,26	290	270°C×5kg	102	18,6	-
PROCOM850SA	671	478	872	85,1	6,19	410	270°C×5kg	77	7,7	-
PPS base (isotropic)										
PROCOM459SA	483	366	907	45,8	4,63	200	330°C×5kg	78	8,3	-
PROCOM509SA	516	381	886	50,5	5,01	95	330°C×5kg	74	8,0	-
PROCOM659SA	592	414	864	64,8	5,40	300	330°C×10kg	58	5,6	-