

The solution provider in

Engineering Plastics Compounding

G-FAM CO.,LTD. is a company specialized in high performance engineering plastics compounds that apply to cutting-edge industries such as semiconductor, display, electric/electronics and automotive industry by compounding of functional materials/additives on various engineering plastic resins.

About G-Fam

The solution provider in engineering plastics compounding

G-FAM CO.,LTD. is a company specialized in high performance engineering plastics compounds that apply to cutting-edge industries such as semiconductor, display, electric/electronics and automotive industry by compounding of functional materials/additives on various engineering plastic resins.

We adopted international quality/environment management system including ISO/TS16949 and ISO14001 to realize customer-oriented quality/environment management while seeking competitive technologies, high value-added production and eco-friendly values through continuous improvement.

We are small but a powerful compounding manufacturer providing innovative technology through continuous R&D effort and investment for customer satisfaction and mutual benefits.

고기능성 엔지니어링 플라스틱 컴파운드 전문 제조업체

주식회사 지팜은 고기능성 엔지니어링 플라스틱 컴파운드 전문 제조업체로서 각종 엔지니어링 플라스틱 수지에 기능성 소재, 기능성 첨가제 등을 특수 컴파운딩하여 반도체, 디스플레이, 전기/전자, 에너지, 자동차 산업 등, 첨단 산업에 부품 또는 제품 제조시 반드시 필요한 고부가가치 기능성 첨단소재를 공급하고 있습니다.

주식회사 지팜은 ISO/TS16949, ISO14001 등, 국제 품질/환경 경영시스템을 도입하여 고객 중심의 품질, 환경 경영을 실시하며 글로벌 기술 경쟁력 확보와 지속적 개선을 통하여 고부가가치 제품생산과 친환경적 가치를 추구하고 있습니다.

주식회사 지팜은 작지만 강한 글로벌 소재기업으로 지속적인 연구 개발과 기술투자로 기술혁신과 고기능성 엔지니어링 플라스틱 컴파운드 솔루션을 제공함으로써 고객 감동과 상생의 도를 위해 최선을 다하겠습니다.

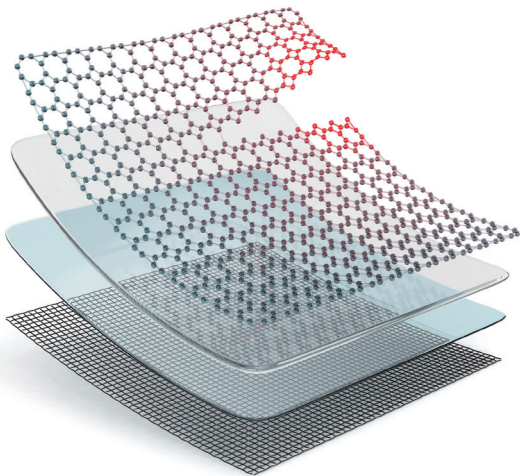
항상 고객 여러분의 가치와 발전을 위해 함께 할 것이며 고객을 소중하게 생각하는 기업으로 우뚝 설 것을 약속드립니다. 감사합니다.



Product portfolio

	High-Performance Polymers								Middle-Range Polymers								Commodity Polymers						
	LCP	PEEK	PEI	PES	PPA	PPS	PSU	TPI	ABS/PC	PPO/PPE	PBT	PC/PBT	PET	PC	PA_6	PA_66	TPE	ABS	PE	PMMA	PP	PS	SAN
General Purpose	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anti-Static																		✓	✓			✓	
Carbon Black Filled										✓				✓				✓	✓		✓	✓	
Carbon Fiber Reinforced	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓				✓	✓	✓	✓
Cleanliness	✓		✓										✓	✓								✓	
CNT	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓				✓	✓	✓	✓
Color Matching	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flame Retardant									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
GF/CF Hybrid	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓				✓	✓	✓	✓
GF/CP Hybrid										✓	✓		✓	✓							✓	✓	✓
GF/MF Hybrid										✓	✓		✓	✓						✓	✓	✓	
Glass Reinforced	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓						✓	✓	✓	✓
Graphite	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓									
IDP																		✓		✓	✓	✓	
Impact Modified						✓				✓				✓								✓	
Lubricant	✓	✓	✓	✓	✓	✓	✓	✓		✓				✓	✓	✓						✓	
Mineral Filler	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transparent			✓	✓									✓	✓				✓					

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High-Performance Polymers

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PES	05

Middle-Range Polymers

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TPE	09
PA	10
PBT	10
PC	11

Commodity Polymers

PP	12
PS	12
ABS	13
PE	13

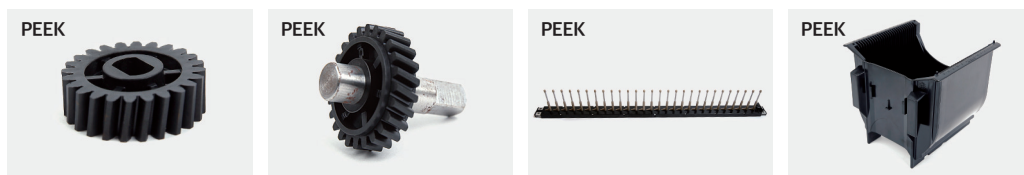
PEI Polyetherimide

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR06-CB	B001	PEI+CF+PTFE	1,550	3.3	1,900	93,000	6.0	6.0	1.31	-	10 ⁴ ~10 ⁵	205	V0	0.1~0.3
02	CR06-C2	B002	PEI+CF 20%	1,850	2.5	2,600	140,000	7.0	6.5	1.33	-	10 ³ ~10 ⁵	205	V0	0.1~0.2
03	GR06-G3	IV01	PEI+GF 30%	1,600	3.0	2,200	92,800	9.5	9.5	1.53	-	-	210	V0	0.1~0.2
		N002	PEI+GF 30%	1,900	3.5	2,450	94,000	11.8	12.0	1.47	-	-	213	V0	0.1~0.2
04	GR06-G2	B001	PEI+GF 20%	1,600	4.3	2,050	75,800	8.2	8.1	1.42	10.6	-	210	V0	0.2~0.3
05	GR06-G2F	B001	PEI+GF 20% High Flow	1,250	3.5	1,750	66,800	8.5	8.0	1.45	24.2	-	190	V0	0.2~0.3
06	SD06-R1	B003	PEI Black	1,190	15.0	1,500	31,000	3.2	2.5	1.26	-	-	189	V0	0.4~0.7
07	SD06-Z0	N001	PEI Natural	1,180	15.0	1,500	31,000	4.5	4.8	1.26	-	-	189	V0	0.4~0.7



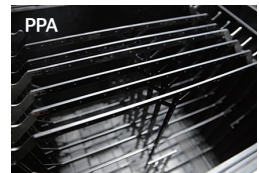
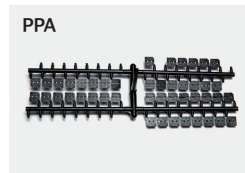
PEEK Polyetheretherketone

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR22-C2	B001	PEEK+CF 20%	2,000	3.2	2,450	125,000	9.0	9.2	1.34	-	10 ⁵ ~10 ⁶	295 ↑	V0	0.1~0.4
02	CR22-C3	B045	PEEK+CF 30%	2,450	3.2	3,400	195,000	10.1	9.5	1.39	-	10 ³ ~10 ⁵	295 ↑	V0	
03	CR22-LD3	B001	PEEK+CF+PTFE +Graphite	1,420	3.1	1,900	115,000	9.5	7.5	1.42	-	10 ⁵ ~10 ⁸	295 ↑	V0	0.1~0.3
04	GR22-G3	N045	PEEK+GF 30%	1,780	4.0	2,400	91,500	13.1	12.1	1.51	-	-	295 ↑	V0	0.1~0.3
05	SD22-Z0	N045	PEEK	950	55.0	1,280	30,500	12.3	8.5	1.26	-	-	154	V0	1.0~2.5



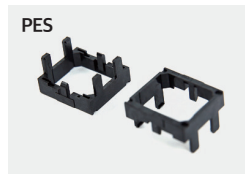
PPA Polyphthalamide

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR38-C1	BK01	PPA+CF 10%	1,400	2.6	1920	85,350	3.6	3.3	1.23	-	10 ⁴ ~10 ⁵	278	HB	0.2~0.5
02	CR38-C2	BK01	PPA+CF 20%	1,950	2.7	2630	137,000	5.8	4.5	1.28	-	10 ² ~10 ³	285	HB	0.1~0.3
03	CR38-C3	BK01	PPA+CF 30%	2,300	2.9	3200	192,000	7.8	5.9	1.31	-	10 ² ~10 ³	285	HB	0.1~0.2
04	CR38-C4	BK01	PPA+CF 40%	2,800	2.8	3500	240,000	83	7.8	1.35	-	10 ¹ ~10 ²	285	HB	0.1~0.2
		B001	PPA+CF 33%	2,280	2.8	3050	199,000	6.7	9.8	1.30	-	10 ¹ ~10 ³	285	HB	0.1~0.2
06	CR38-LC3	B001	PPA+CF+PTFE	1,950	3.0	2400	138,000	5.8	5	1.36	-	10 ³ ~10 ⁴	280	HB	0.1~0.3
07	GR38-G4	B001	PPA+GF 35%	1,950	3.5	2520	91,500	9.5	9.0	1.45	-	-	285	HB	0.1~0.3
08	GR38-G4L2	N001	PPA+GF+PTFE	2,150	3.8	2750	108,000	13.7	11.8	1.54	-	-	285	HB	0.1~0.3



PES Polyethersulfone

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR01-B25	B001	PES+CF+GF	1,650	2.5	1,900	120,000	6.0	5.8	1.43	-	10 ⁴ ~10 ⁵	215	V0	0.1~0.3
02	CR01-CB	B001	PES+CF	1,300	2.5	1,650	115,000	5.0	5.0	1.48	-	10 ⁴ ~10 ⁵	215	V0	0.1~0.3
03	SD01-Z0	N001	PES	960	10.0	1,260	27,800	7.2	5.0	1.36	-	-	198	V0	0.4~0.7



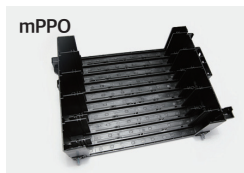
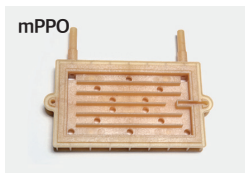
mPPO

Modified Polyphenylene Oxide

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	O2N20	NC	mPPO	760	30.0	1,050	23,800	12.5	14.5	1.07	3.5	10 ² ~10 ³	150	HB	0.5~0.8
02	AL02-G1	B001	mPPO GF 10%	915	4.4	1,350	40,500	8.7	9.2	1.17	35.0	10 ⁴ ~10 ⁷	190	HB	0.3~0.8
03	AL02-G3	B001	mPPO GF 30%	1,400	4.1	1,950	76,000	14.3	15.5	1.31	16.8	-	215	HB	0.1~0.5
04	AL02-X5C	A001	PPO+PA66	660	25.0	915	23,200	23.0	26.0	1.09	40.2	-	179	HB	0.8~1.5
05	AL02-X1H	BK01	PPO+PA66	550	22.0	710	17,500	92.0	78.0	1.07	25.0	-	170	HB	0.8~1.5
06	AL13-Z5	N2745	PPO+PA6	630	52.0	820	20,700	72.0	30.0	1.08	10.0	-	174	HB	0.8~1.5
07	CO02-CAT	B001	mPPO+CNT	780	10.0	1,100	25,500	7.5	7.5	1.05	2.5	10 ⁵	160	HB	0.5~0.8
08	CO02-G2T	B001	mPPO+CN+GF20%	1,000	3.3	1,350	57,500	9.1	9.5	1.18	11.8	10 ³ ~10 ⁵	135	HB	0.2~0.4
09	CO02-P2A	B001	mPPO+CP	710	6.0	1,050	30,500	7.7	7.6	1.16	3.3	10 ⁴ ~10 ⁶	170	HB	0.5~1.0
10	CR02-C11	B001	mPPO+MF+CF	1,150	2.0	1,350	112,000	4.4	3.0	1.31	-	10 ⁴ ~10 ⁶	178	HB	0.1~0.3
11	CR02-C1TC	B013	mPPO+CNT+CF	850	3.3	1,150	48,000	6.2	5.6	1.14	4.3	10 ⁹ ~10 ¹³	185	HB	0.1~0.3
12	CR02-C1TH	B005	mPPO+CNT+CF	1,020	2.9	1,300	64,000	5.7	5.7	1.15	4.5	10 ⁴ ~10 ⁶	185	HB	0.1~0.3
13	CR02-CA1	B002	mPPO+CF	1,050	2.4	1,310	94,000	4.5	3.2	1.24	-	10 ⁴ ~10 ⁶	170	HB	0.1~0.3
14	CR02-CB	GY01	mPPO+CF+TiO2	950	1.7	1,180	96,000	5.7	5.7	1.16	5.7	10 ³ ~10 ⁵	135	HB	0.1~0.3
15	GR02-G1A	B001	mPPO+GF 10%	920	4.3	1,350	42,100	9.0	9.5	1.14		-	175	HB	0.1~0.5
16	GR02-G1	B001	mPPO+GF 10%	700	4.5	1,100	37,500	9.5	10.2	1.12	8.0	-	130	HB	0.1~0.5
17	GR02-G2	B001	mPPO+GF 20%	1,050	2.5	1,450	60,500	9.2	10.3	1.20	6.6	-	145	HB	0.2~0.4
		N001	mPPO+GF 20%	1,150	3.5	1,550	61,500	15.3	15.0	1.20	4.5	-	140	HB	0.2~0.4
18	GR02-G2A	8S93-C	mPPO+GF 20%	595	10.4	970	30,500	6.2	6.9	1.19	6.3	-	130	HB	0.3~0.5
		A002	mPPO+GF 20%	850	2.8	1,250	54,300	7.6	8.2	1.18	10.7	-	138	HB	0.2~0.4
		B001	mPPO+GF 20%	1,030	3.3	1,480	58,650	10.3	10.8	1.19	4.8	-	138	HB	0.2~0.4
		GY03	mPPO+GF 20%	750	3.5	1,170	46,500	10.2	11.5	1.19	5.8	-	133	HB	0.2~0.4
19	GR02-G3	NT02	mPPO+GF 30%	1,320	3.6	1,800	7,700	18.0	16.5	1.26	3.5	-	138	HB	0.1~0.3
20	GR02-G3 DSC	B001	mPPO+GF 30%	1,180	2.5	1,520	81,500	9.5	9.5	1.34	2.0	-	145	HB	0.1~0.3
		N001	mPPO+GF 30%	1,210	2.5	1,580	80,200	9.5	9.5	1.35	2.0	-	148	HB	0.1~0.3
21	MR02-U2	WH01	mPPO+MF 20%	410	16.1	650	24,300	6.6	7.6	1.17	13.3	-	123	HB	0.3~0.5
22	MR02-U3	N001	mPPO+MF 30%	430	3.2	700	43,300	5.8	5.3	1.27	6.0	-	128	HB	0.2~0.5
23	NH02-FB	B002	mPPO FR V1	650	15.5	940	23,600	12.8	12.2	1.08	23.8	-	121	V1	0.5~0.8
24	NH02-FBV	GY01	mPPO FR V0	720	18.5	980	23,500	13.0	12.5	1.09	9.1	-	121	V0	0.5~0.8
		BK02	mPPO FR V0	700	23.5	980	23,300	22.1	20.5	1.08	8.3	-	120	V0	0.5~0.8
25	NH02-G1	B001	mPPO+GF10% FR V1	850	3.5	1,300	42,200	9.4	9.5	1.15	12.5	-	130	V1	0.3~0.5
		IF291C		830	3.8	1,250	42,500	8.6	8.9	1.16	10.8	-	128	V1	0.3~0.5
26	NH02-G1T	N001	mPPO+GF 15% FR V1 TR	1,250	3.7	1,520	54,000	6.5	6.0	1.18	18.0	-	130	V1	0.3~0.5
27	NH02-G1V	T001	mPPO+GF 10% FR V0 TR	1,000	4.1	1,450	42,100	3.5	4.5	1.15	17.1	-	125	V0	0.3~0.5
		B001	mPPO+GF 10% FR V0	750	4.2	1,100	35,600	9.3	10.5	1.13	12.5	-	125	V0	0.3~0.5

mPPO Modified Polyphenylene Oxide

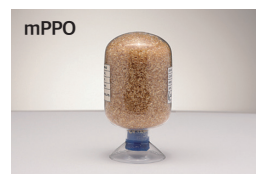
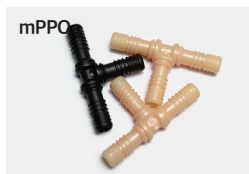
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28	NH02-G2	B001	mPPO+GF 20% FR V1	1,050	3.4	1,380	55,000	12.4	13.0	1.22	10.0	-	128	V1	0.2~0.4
		GY01		950	3.2	1,350	52,500	9.8	10.5	1.20	7.0	-	140	V1	0.2~0.4
29	NH02-G2V	B001	mPPO+GF 20% FR V0	1,050	3.0	1,380	56,000	10.2	10.5	1.23	10.5	-	135	V0	0.2~0.4
		GY01		1,150	3.3	1,500	61,500	5.8	5.2	1.24	13.5	-	138	V0	0.2~0.4
		T001	mPPO+GF 20% FR V0 TR	1,310	3.5	1,650	60,500	9.2	9.1	1.23	15.2	-	135	V0	0.2~0.4
30	NH02-GAT	N001	mPPO+GF 5% FR V0 TR	890	3.5	1,170	35,600	2.6	2.8	1.10	30.0	-	121	V1	0.3~0.6
31	NH02-R2	IV01	mPPO+TiO2 FR V1	750	10.0	1,030	27,800	12.5	12.3	1.27	15	-	115	V1	0.5~0.8
		IV20	mPPO+TiO2 FR V1	680	15.8	930	27,600	8.7	8.4	1.27	39.8	-	115	V1	0.5~0.8
		WH01	mPPO+TiO2 FR V1	730	10.0	980	29,100	5.3	5.3	1.29	36.3	-	115	V1	0.5~0.8
32	SD02-R3	W001	mPPO+TiO2	530	12.0	780	29,300	4.5	4.6	1.33	27.5	-	118	HB	0.5~0.8
33	SD02-Z2	N001	mPPO	740	8.5	1,010	23,200	6.2	8.7	1.05	19.8	-	171	HB	0.5~0.8
		NT02	mPPO	730	11.5	960	22,300	8.5	7.3	1.05	18.8	-	168	HB	0.5~0.8
34	SD02-Z3	B003	mPPO	620	17.0	830	20,900	25.0	21.0	1.05	15.3	-	146	HB	0.5~0.8
		GN01	mPPO	620	15.0	820	20,700	21.0	18.0	1.05	18.0	-	145	HB	0.5~0.8
		W001	mPPO	640	15.0	850	21,700	21.0	20.5	1.11	15.4	-	148	HB	0.5~0.8
35	SD02-Z5	R001	mPPO	600	15.0	850	23,900	7.1	8.1	1.05	24.6	-	118	HB	0.5~0.8
		B001	mPPO	550	17.8	730	21,600	10.0	9.6	1.05	18.7	-	118	HB	0.5~0.8
36	SD02-Z7	N001	mPPO	730	15.0	1,000	23,900	4.2	4.2	1.05	12.0	-	140	HB	0.5~0.8
37	SH02-Z3	NT02	mPPO	760	39.5	1,050	23,800	12.8	14.1	1.06	3.5	-	148	HB	0.5~0.8
38	SH02-Z5A	N001	mPPO	580	45.5	780	21,500	21.8	18.1	1.05	8.8	-	120	HB	0.5~0.8
39	SH02-Z5BH	N001	mPPO	520	55.5	725	19,500	28.5	27.0	1.04	8.5	-	120	HB	0.5~0.8
40	SH02-Z6	GN01	mPPO	630	17.0	850	20,500	25.6	23.3	1.05	4.8	-	132	HB	0.5~0.8
		GY01	mPPO	660	13.0	900	22,700	19.5	17.5	1.06	6.5	-	128	HB	0.5~0.8
41	SH02-Z7A	N001	mPPO	620	35.0	870	21,500	33.1	30.2	1.10	3.0	-	140	HB	0.5~0.8
42	SP02-ZA	N001	mPPO Compatibilizer	780	5.6	1,050	24,800	1.5	1.5	1.06	3.5	-	168	HB	0.5~0.8
43	SP02-ZB	N001	mPPO Compatibilizer	780	12.1	1,080	24,200	1.7	2.3	1.07	6.0	-	175	HB	0.5~0.8



EV Battery parts



EV Battery parts



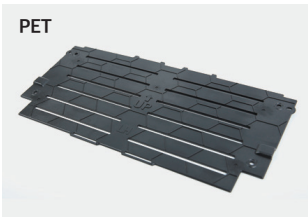
Compatibilizer

PET Polyethylene Terephthalate

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	GR23-G2	B001	PET+GF20%	1,320	3.5	1,720	65,000	8.0	7.0	1.47	8.6	-	178	HB	0.2~0.6

PC/ABS

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	SD41-Z3	N001	PC/ABS	470	80.0	630	17,500	67.5	65.2	1.12	3.0	-	105	HB	0.5~0.8
		W001	PC/ABS	630	41.5	870	23,500	74.5	38.5	1.15	7.0	-	108	HB	0.5~0.8
02	SD41-Z5	W001	PC/ABS	580	30.0	790	22,900	100.5	40.5	1.14	22.0	-	98	HB	0.5~0.8



PET

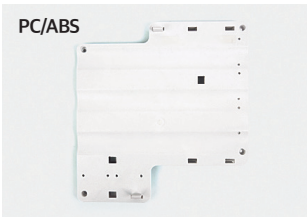
EV Battery parts



PC/ABS



PC/ABS



PC/ABS



PC/PBT

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	AL33-Z3	B001	PC/PBT	630	120.0	850	22,000	110.0	90.0	1.21	6.0	-	89	HB	0.5~1.0

TPE Thermoplastic Elastomer

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	TE30-E20	U001	TPE	72	400†	-	-	-	-	0.89	15.0	-	-	-	-
02	TE30-E37	GY01	TPE	78	400†	-	-	-	-	0.89	12.0	-	-	-	-
		U001	TPE	77	400†	-	-	-	-	0.89	11.5	-	-	-	-

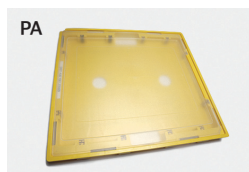


PA Polyamide

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR13-CE	B001	PA6+CF 40%	2,380	3.5	3,250	215,000	12.5	12.5	1.32	-	10 ¹⁰ ~10 ¹³	210	HB	0.1~0.2
02	CR14-B2	BK01	PA66+CF 10% +GF 10%	1,550	3.5	2,100	110,000	12.5	13.1	1.20	8.0	10 ¹⁴ ~10 ¹⁶	245	HB	0.1~0.5
03	CR14-C2	B001	PA66+CF 20%	2,250	4.2	2,920	121,000	12.5	10.5	1.22	-	10 ¹² ~10 ¹⁴	252	HB	0.1~0.4
04	GR13-G6	N001	PA6+GF 60%	2,050	4.1	3,000	166,000	13.3	19.3	1.70	-	-	213	HB	0.1~0.2
05	GR14-G25	A001	PA66+GF 25% +MF 23%	790	3.1	1,300	58,000	5.0	5.0	1.48	-	-	186	HB	0.1~0.4
06	GR14-G43L	BK01	PA66+GF 43% +PTFE 10%	1,980	3.7	2,700	113,500	15.0	15.1	1.53	-	-	252	HB	0.1~0.3
07	EA07-A35	BK01	mPA IDP	310	25.0	360	10,500	8.5	8.6	1.10	50.8	10 ¹⁷ ~10 ¹⁸	100	HB	0.8~2.0
		GY01	mPA IDP	330	26.0	380	13,000	8.6	9.0	1.13	33.2	10 ¹⁷ ~10 ¹⁸	105	HB	0.8~2.0
		YE01	mPA IDP	350	15.0	400	14,200	11.5	10.5	1.13	40.5	10 ¹⁷ ~10 ¹⁸	100	HB	0.8~2.0

PBT Polybutylene Terephthalate

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CR20-C2	B001	PBT+CF 20%	580	4.5	950	41,500	3.4	3.5	1.35	-	10 ¹⁶ ~10 ¹¹	108	HB	0.3~0.7
02	CR20-C2T	B001	PBT+CF 20% +CNT	660	4.5	1,050	47,200	3.8	3.8	1.36	-	10 ¹⁶ ~10 ¹⁸	120	HB	0.2~0.5



PC Polycarbonate

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CO21-C27T	B001	PC+CNT	600	18.00	810	22,900	56.0	37.0	1.18	-	10 ³ ~10 ⁶	127	HB	0.5~0.8
02	CO21-G15T	B001	PC+GF 15%+CNT	1,020	3.9	1,450	52,200	17.3	16.7	1.26	18.3	10 ⁵ ~10 ⁷	141	HB	0.1~0.2
03	CO21-G30TM	BK01	PC+GF 30%+CNT	600	3.3	950	43,100	3.5	3.5	1.42	22.5	10 ⁵ ~10 ⁷	128	HB	0.1~0.2
04	CO21-P2	B001	PC+CP	640	20.2	920	26,500	15.5	12.8	1.25	5.0	10 ⁷ ~10 ⁹	115	HB	0.5~0.8
05	CO21-P2H	BK01	PC+CP	620	5.0	910	26,200	13.5	9.5	1.25	3.0	10 ⁴ ~10 ⁵	123	HB	0.5~0.8
06	CR21-B27	B001	PC+CF+GF	1,450	3.5	2,050	112,000	12.00	11.5	1.32	15.0	10 ⁴ ~10 ⁵	138	V2	0.1~0.2
07	CR21-C1	B001	PC+CF	1,150	4.0	1,720	75,000	10.2	10.1	1.21	10.0	10 ⁵ ~10 ⁸	140	V2	0.1~0.3
08	CR21-C1H	B001	PC+CF	1,250	3.8	1,820	77,500	12.5	14.1	1.20	15.0	10 ⁴ ~10 ⁷	138	V2	0.1~0.3
09	CR21-C1GY	GY01	PC+CF+TiO2	1,150	3.5	1,600	76,100	8.0	8.5	1.23	10.0	10 ⁴ ~10 ⁷	138	V2	0.1~0.3
10	CR21-C1AT	B001	PC+CF+CNT	740	6.5	1,110	41,000	10.5	10.2	1.19	5.0	10 ⁵ ~10 ⁸	127	HB	0.3~0.7
11	CR21-C1BT-A	B001	PC+CF+CNT	880	5.0	1,330	54,000	11.2	11.3	1.21	3.0	10 ⁵ ~10 ⁸	127	HB	0.2~0.5
12	CR21-LB	B001	PC+CF 10%+PTFE 10%	1,010	3.8	1,510	67,500	15.8	15.2	1.26	2.0	10 ⁵ ~10 ⁶	147	V2	0.1~0.3
13	GR21-G1	B001	PC+GF 10%	580	60.5	850	26,100	11.5	11.5	1.25	13.0	-	125	V2	0.4~0.6
14	SD21-GA	B001	PC+GF 5%	625	81.0	860	23,500	25.0	17.5	1.22	6.5	-	129	V2	0.4~0.6
15	SD21-L1	B001	PC+PTFE 10%	615	85.0	770	20,500	88.5	80.0	1.24	5.0	-	128	V2	0.5~0.8
16	SD21-LB	B001	PC+PTFE 15%	585	75.0	760	20,800	81.0	74.5	1.26	4.5	-	127	V2	0.5~0.8
17	SD21-R1	B001	PC	615	75.0	830	21,000	91.0	18.0	1.19	13.5	-	126	V2	0.5~0.8



PP Polypropylene

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	AS25-AA	N001	PP Antistatic	330	380	375	15,400	4.0	3.5	0.95	25.0	10 ¹⁰ ~10 ¹²	102	HB	1.2~2.5
02	CO25-P2	B003	PP+CP	230	13.5	260	10,900	67.2	25.7	1.01	6.5	10 ³ ~10 ⁴	87	HB	0.8~1.6
03	CR25-CDF	B001	PP+CF	340	3.2	435	36,200	4.3	3.8	1.07	11.8	10 ⁵ ~10 ⁸	147	HB	0.3~0.7
		BL01	PP+CF	315	2.5	420	48,800	2.7	2.7	1.20	15.5	10 ⁵ ~10 ⁸	142	HB	0.3~0.7
		GN01	PP+CF	295	2.9	410	43,800	2.7	2.8	1.18	18.5	10 ⁵ ~10 ⁸	140	HB	0.3~0.7
04	EA25-AC	BL01	PP+IDP	280	125	295	9,800	3.1	3.2	0.96	32.3	10 ⁹ ~10 ¹⁰	89	HB	1.5~2.5
05	GR25-G15	GY01	PP+GF 15%	300	17.5	380	17,500	9.3	9.0	1.01	4.2	-	130	HB	0.5~0.8
06	GR25-G4	A001	PP+GF 40%	680	5.0	920	54,000	18.0	17.0	1.20	3.0	-	160	HB	0.3~0.5
07	SP25-ZA	N001	PP Compatibilizer	-	-	-	-	-	-	0.97	70	-	-	-	-

PS Polystyrene

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	CO26-P2	B001	PS + CP	275	6.0	370	24,500	5.0	4.8	1.13	3.5	10 ⁴ ~10 ⁵	73	HB	0.5~0.8
		B003	PS + CP	265	10.5	365	22,500	7.0	6.5	1.13	2.0	10 ² ~10 ³	69	HB	0.5~0.8
02	CO26-PB	B002	PS + CP	250	4.7	330	22,100	5.0	5.0	1.12	9.5	10 ⁴ ~10 ⁷	74	HB	0.5~0.8
03	SD26-R1	B001	PS Black	275	30.0	380	22,200	7.5	5.8	1.04	11.5	-	71	HB	0.5~0.8



Compatibilizer

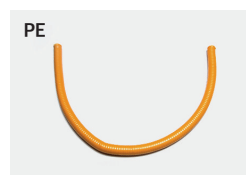
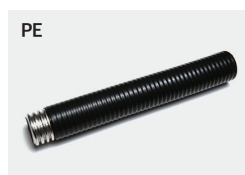
ABS Acrylonitrile Butadiene Styrene

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
				ASTM D 638		ASTM D 790		ASTM D 256		ASTM D 792	ASTM D 1238	ASTM D 257	ASTM D 648	UL94	ASTM D 955
01	AL07-P2	B001	ABS+CP	300	5.9	390	22,100	5.5	4.5	1.16	8.0	10 ³ ~10 ⁶	63	HB	0.5~0.8
02	CR07-C2	B001	ABS+CF20%	1,110	2.3	1,450	135,000	6.4	5.5	1.15	5.5	10 ¹ ~10 ³	96	HB	0.1~0.2
03	EA07-A1	T001	ABS IDP TR	450	15.0	580	18,000	11.0	10.0	1.10	10.0	10 ¹⁰ ~10 ¹¹	78	HB	0.5~0.8
04	EA07-A1B	B001	ABS IDP Black	465	8.4	600	19,100	55.0	35.0	1.05	3.3	10 ¹⁰ ~10 ¹¹	83	HB	0.5~0.8
05	EA07-AC	B004	ABS IDP Black	400	15.0	510	16,200	16.5	16.3	1.06	13.0	10 ⁸ ~10 ⁹	82	HB	0.5~0.8
		RD01	ABS IDP Red	385	13.0	520	17,200	30.2	18.6	1.06	22.0	10 ⁸ ~10 ⁹	83	HB	0.5~0.8
06	EA07-ACU	U001	ABS IDP Blue	450	6.5	530	19,800	5.7	6.8	1.07	35.0	10 ⁸ ~10 ⁹	83	HB	0.5~0.8



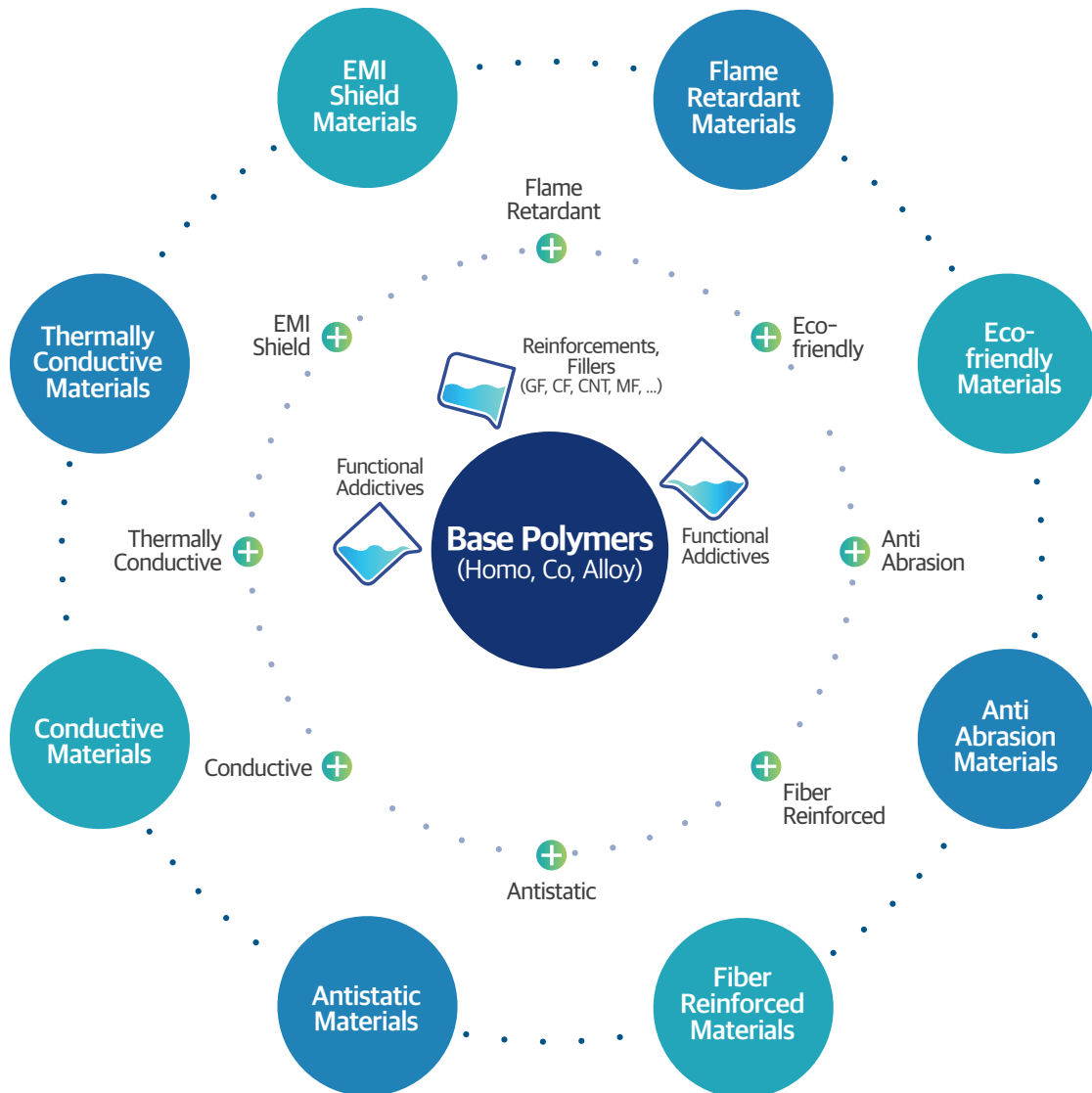
PE Polyethylene

No.	Product Name	Color	Composition	Tensile Strength kgf/cm ²	Elongation %	Flexural Strength kgf/cm ²	Flexural Modulus kgf/cm ²	Impact Strength (3.2mm) kgf/cm ²	Impact Strength (6.4mm) kgf/cm ²	Specific Gravity	Melt Flow Index g/10min	Surface Resistivity ohm/sq	Heat Distortion Temp. °C	Flame Retardancy	Shrinkage Rate
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01	CO09-P35	B001	LDPE+CP	230	450	-	-	-	-	1.10	7.0	10 ⁰ ~10 ¹	-	-	-
02	SD09-FN1	O001	LDPE FR	110	100	-	-	-	-	0.98	8.0	-	-	HB	-



Technology

Customer oriented product development & High value-added business



Strategic Core Technology Development

- Self-reliance Technology and Development Capability Reinforcement
- Intelligence Capability Strengthening on Neo Technology&Neo Materials
- Systematic R & D Management

Customer Oriented Materials Development and Supply

- Customer Needs Analysis
- Customized Materials Development
- High Performance Engineering Plastics Solution Providing

Application

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EV Battery Cell Frame Water Pump Auto Junction Box **automotive****electric & electronics**

Solar Cell Junction Box



Circuit breaker



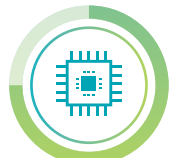
Telephone pole



EMI Shielding



Thermal Conductive

Wafer FOUP Wafer Cassette Reticle Case Photo Mask Box IC Chip Tray **semi-conductors****industrial applications**

Fishing Reel



Gear Parts



Mouse Case



Bobbin Hub



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Engineering Plastics



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