



SIDDH CHEMIPLAST P LTD

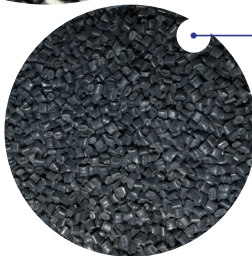
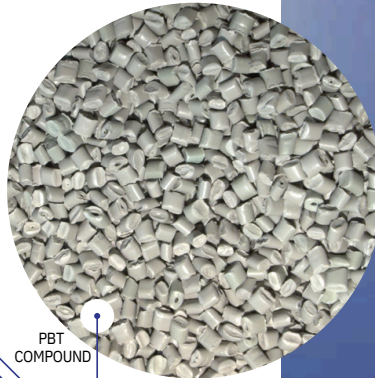
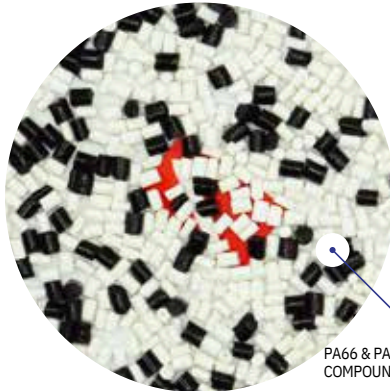
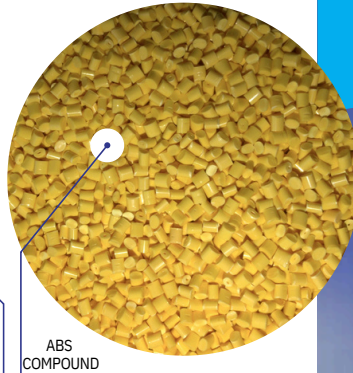
Achieving Excellence Through Perseverance



ABOUT US

We truly believe in our motto “Achieving excellence through perseverance”. We are growing rapidly both in terms of technology and production, intending to become one of the leading companies in the industry, in India and around the world. We don't just offer our customers a quality product, but also expert solutions and service. Our team strives to fulfil all specific product requirements as per our customers while constantly maintaining and improving quality. We provide a challenging environment for our team to foster the urge for constant improvement within themselves. We do our best to meet the high standards we have set for ourselves.





Siddh Chemiplast

Siddh Chemiplast: A combination of resins, reinforcements, and additives in different formulas to meet specific characteristics of each end product.

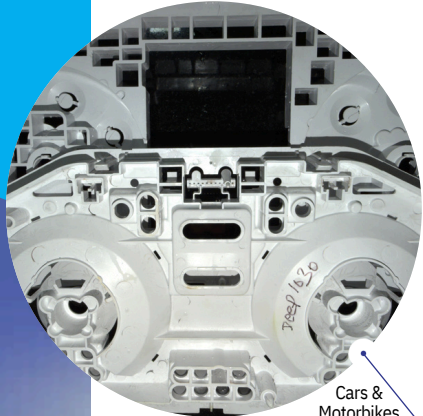
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PP COMPOUND

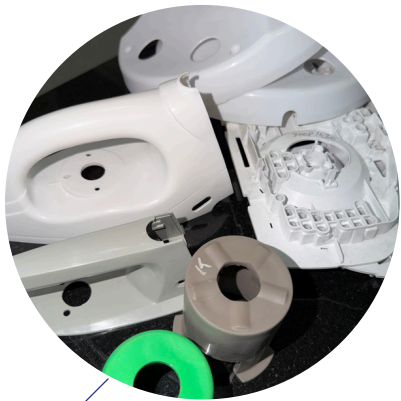
PRODUCT DESCRIPTION

PP Compound is made of polypropylene (PP) resin mixed with various additives and reinforcements in specific formulas to meet characteristics of each end product.

Siddh Chemiplast offers a series of PP compounds, including: PP glass fiber compound (PP-GF) PP glass bead compound (PP-GB) PP talc powder compound (PP-TALC) PP BaSO4 compound (PP-BaSO4) PP conductive compound (PP-Conductive) PP flame retardant compound (PP-FR) PP compound for laser marking



Cars & Motorbikes



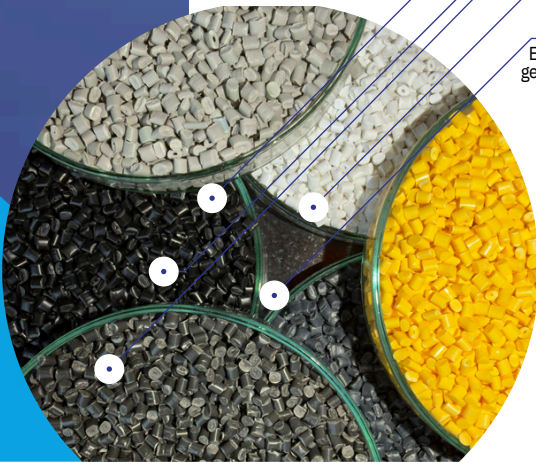
Electrical household appliances



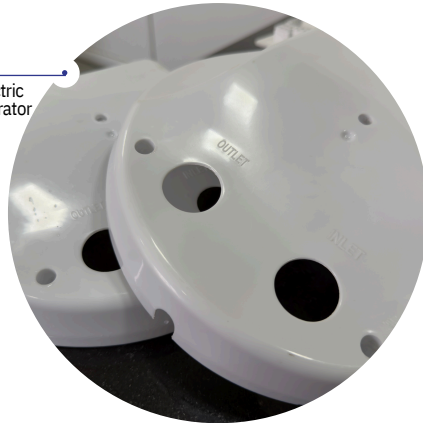
Bus seats



Sanitary equipment



Electric generator



PP COMPOUND

— PP-GF

PRODUCT DESCRIPTION

Thanks to the use of glass fiber as the reinforcement, PP-GF compound increases stiffness, reduces shrinkage, improves impact strength and enhances heat resistance of end products.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	PPC 20GF	PPC 30 GE	PPC R 40GF	PPC G 20GVO
Color			Natural	Natural	Red	Green
Glass Fiber Content		%	20	30	40	20
Melt Flow Index (MFI) (230°C/2.16Kg)	ISO 1133	g/10 min	10	3	0.5	10.5
Density	ISO 1183	g/cm³	1.03	1.1	1.21	1.29
Tensile Strenght at Yield (a)	ISO 527	MPa	65	81	65	27
Elongation at Break (a)	ISO 527	%	>10	>5	>10	>10
Flexural Strenght	ISO 178	MPa	79	105	78	35
Flexural Modulus	ISO 178	Mpa	4065	4864	5179	2563
Izod Impact Strenght (b)	ISO 180	J/m	35	40	46	43
Deflection Temperature Under Load at 0.45 Mpa b	ISO 75	c	1.35	150	135	135
Mold Shrinkage	50 x 70 x 3 mmt	%	0.8 - 1.3	0.7 - 1.1	0.8 - 1.2	0.8 - 1.2
Flammability	UL 94		HB	HB	HB	V0

PP COMPOUND

— PP-TALC

PRODUCT DESCRIPTION

PP-TALC compound is reinforced with talc powder. This compound offers several benefits to end products, such as enhancing hardness, flexural modulus and flexural strength, increasing thermal durability, lifting facial stiffness and decreasing mold shrinkage.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	PPTF + EPDM 20	PPTF 20	PP TF 40	PPTF 60
Color			Natural	Natural	Red	Green
Talc Content		%	20	20	40	60
Melt Flow Index (MFI) (230°C/2.16Kg)	ISO 1133	g/10 min	14	12	7	2
Density	ISO 1183	g/cm ³	1.05	1.07	1.25	1.44
Tensile Strenght at Yield (a)	ISO 527	Mpa	22	34	25	32
Elongation at Break (a)	ISO 527	%	>40	>15	>5	>3
Flexurel Modulus	ISO 178	MPa	1897	1652	2689	6511
Izod Impact Strength (b)	ISO 180	KJ/m2	19	7	4	3.8
Deflection Temperature Under Load at 0.45 Mpa (b)	ISO 75	°C	101	115	120	128
Mold Shrinkage	50 x 70 x 3 mmt	%	0.9 - 1.3	0.8 - 1.2	0.4 - 0.9	0.3 - 0.8
Flammability	UL 94		HB	HB	HB	HB

PP COMPOUND

—PP-BASO4

PRODUCT DESCRIPTION

PP-BASO4 is a combination of polypropylene (PP) resin, BaSO4 and specific additives. It increases glossiness, stiffness and minimizes the level of shrinkage and thermal deformation of end products.



TECHNICAL SPECIFICATIONS

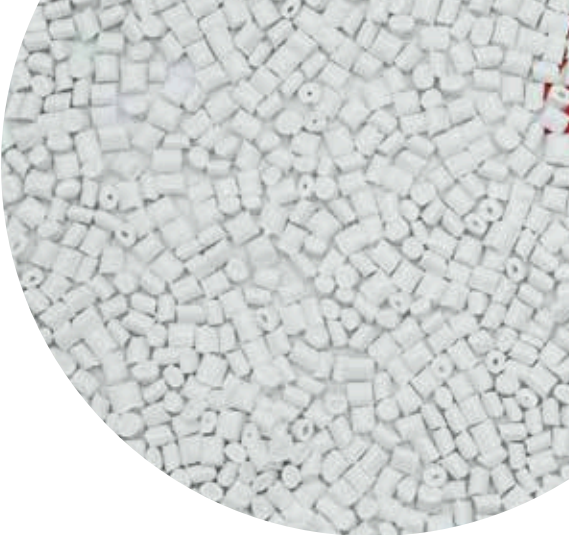
Criteria	Measurement Method	Unit	ESC PP 20B	ESC PP 40B	ESC PP 60B
Color			Natural	Natural	Natural
BaSO4 Content		%	20	40	60
Melt Flow Index (MFI) (230°C/2.16Kg)	ISO 1133	g/10 min	14	8	4
Density	ISO 1183	g/cm³	1.04	1.28	1.56
Tensile Strenght at Yield (a)	ISO 527	MPa	29	26	25
Elongation at Break (a)	ISO 527	%	>10	>5	0.4 - 0.6
Flexural Modulus	ISO 178	MPa	1076	1201	2083
Izod Impact Strength (b)	ISO 180	J/m	16	16	20
Deflection Temperature Under Load at 0.45 MPa (b)	ISO 75	°C	88	98	103
Mold Shrinkage	50 x 70 x 3	%	0.7 - 1.2	0.5 - 0.8	0.3 - 0.6
Flammability	UL 94		HB	HB	HB



PP COMPOUND FOR LASER MARKING

PRODUCT DESCRIPTION

PP compound for laser marking is a combination of PP resin and laser marking additives. It helps end products to be easily laser printed.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP PP R2004X
Color			Yellow
Melt Flow Index (MFI) (230°C/2.16Kg)	ISO 1133	g/10 min	8
Density	ISO 1183	g/cm³	0.93
Tensile Strenght at Yield (a)	ISO 527	MPa	28
Elongation at Break (a)	ISO 527	%	>200
Flexural Modulus	ISO 178	J/m	1320
Izod Impact Strength (b)	ISO 180	MPa	120
Deflection Temperature Under Load at 0.45 MPa (b)	ISO 75	°C	102
Mold Shrinkage	50 x 70 x 3 mmt	%	1.4 - 1.7
Flammability	UL 94		HR
Hardness Rockwell		HRR	80

PP COMPOUND

PP-CONDUCTIVE

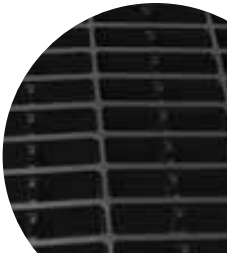
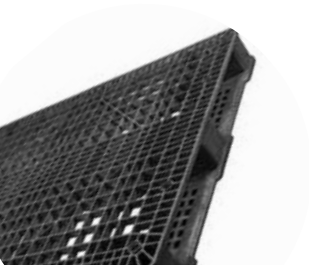
PRODUCT DESCRIPTION

PP-CONDUCTIVE is a mixture of polypropylene (PP) resin and carbon black conductive as the reinforcement. This material offers a higher level of stability compared to standard PP resin and accelerates end products' conductivity.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ESC PP R030BK	ESC PP R030BK	ESC PP R023VO
Color			Black	Black	Black
Melt Flow(MFI) (230°C/2.16Kg)	ISO 1133	g/10min	8	3.6	5
Density	ISO 1183	g/cm ³	1.1	1.15	1.1
Tensile Strength at Yield (a)	ISO 527	MPa	18	17	18
Elongatio at Break (a)	ISO 527	%	<10	<10	<5
Rexural Modulus	ISO 178	MPa	1563	1640	1533
Izod Impact Strength (b)	ISO 180	J/m	32	15	20
Deflection Temperature Under Load at 0.45 MPa (b)	ISO 75	°C	80	90	90
Volume Resistivity Surface Resistivity	IEC 60093	Ω.cm Ω	10 ⁴ - 10 ⁸	10 ² - 10 ³	10 ⁴ - 10 ⁸
Flammability	UL 94		HB		V0



PP COMPOUND

PP-FR

PRODUCT DESCRIPTION

The main components of PP-FR compound are polypropylene (PP) resin and halogen/non-halogen flame retardant. Depending on the customer's requirements, PP-FR compound has different levels of flame retardancy according to UL94-standard, including: 5VA, 5VB, V0, V1, V2.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ESC PP 5001V0	ESC PP R105FR5VA	ESC HFV0
Color			Natural	White	Natural
Melt Flow Index(MFI) (230°C/2.16Kg)	ISO 1133	g/10min	8	5	15
Density	ISO 1183	g/cm ³	1.18	1.23	1
Tensile Strength at Yield (a)	ISO 527	MPa	26	29	31
Flexural Modulus	ISO 178	MPa	2206	2514	1937
Izod Impact Strength (b)	ISO 180	J/m	20	21	27
Deflection Temperature Under Load at 0.45 MPa (b)	ISO 75	°C	118	110	115
Flammability	UL 94		V0	5VA	V0



ABS COMPOUND

PRODUCT DESCRIPTION

ABS Compound is made of ABS resin mixed with various types of additives and reinforcements in different formulas to meet specific characteristics of plastic end products.

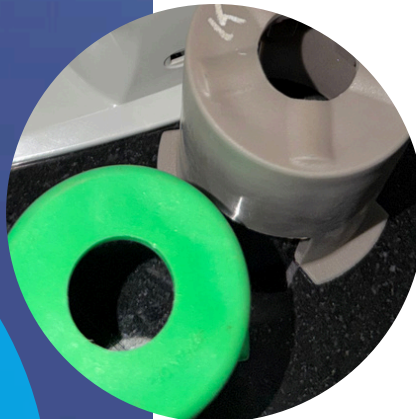
Siddh Chemiplast currently provides customers several types of ABS compounds, including: ABS flame retardant compound (ABS-FR) ABS antistatic compound (ABS-antistatic) ABS glass fiber compound (ABS-GF) ABS metallic colored compound



Fridge



Vacuum



Earphone



Washing
machine

ABS COMPOUND

METALLIC COLORED COMPOUND

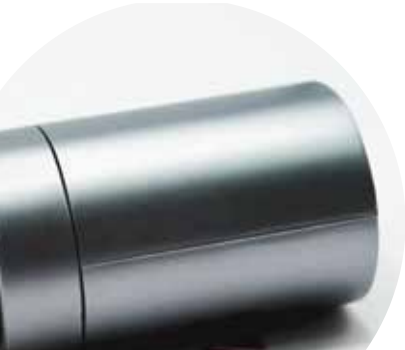
PRODUCT DESCRIPTION

ABS metallic colored compound is an ABS engineering plastic compound with metallic colors. It provides end products with clear, distinctive metallic colors.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ESC ABS 3008 X	ECS ABS R 8036
Color			Pearl	Dark Chrometal
Melt Flow Index (MFI) (220°C/10Kg)	ISO 1133	g/10min	38	18
Density	ISO 1183	g/cm ³	1.08	1.06
Tensile Strenght at Yield (a)	ISO 527	MPa	46	47
Elongation at Break (a)	ISO 527	%	15 - 200	25
Flexural Modulus	ISO 178	MPa	2500	2200
Izod Impact Strength (b)	ISO 180	kJ/m ²	21	22
Deflection Temperature Under Load at 1.8 MPa (b)	ISO 75	°C	80	81
Flammability	UL 94		HB	HB



ABS COMPOUND

— ABS-FR

PRODUCT DESCRIPTION

ABS-FR compound is made of ABS resin and flame retardants, which are in different fire resistance levels according to UL94 standard, including: V0, V1, and V2.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECS ABS B005FRV2	ECS ABS 1004 FR0
Color			Black	Natural
Melt Flow Index (MFI) (220°C/5Kg)	ISO 1133	g/10min	7	4
Density	ISO 1183	g/cm³	1.1	1.18
Tensile Strenght at Yield (a)	ISO 527	MPa	38	40
Elongation at Break (a)	ISO 527	%	>10	>10
Flexural Modulus	ISO 178	MPa	2340	2300
Izod Impact Strength (b)	ISO 180	kJ/m²	12	11
Deflection Temperature Under Load at 1.8 MPa (b)	ISO 75	°C	78	84
Flammability	UL 94		V2	V0



ABS COMPOUND

— ABS ANTISTATIC

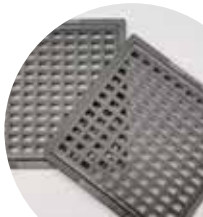
PRODUCT DESCRIPTION

ABS-antistatic compound is a combination of ABS resin and carbon black conductive or antistatic additive. This material has good mechanical properties and conductivity.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ESC ABS 10AS	ESC ABS GR8011CD	ESC ABS BK005CD
Color			Natural	Grey	Black
Melt Flow Index (MFI) (220°C/5Kg)	ISO 1133	g/10min	2.42	3	8
Density	ISO 1183	g/cm ³	1.067	1.16	1.14
Tensile Strenght at Yield (a)	ISO 527	MPa	38	34	25
Elongation at Break (a)	ISO 527	%	3-5	>10	>5
Flexural Modulus	ISO 178	MPa	2311	1344	2164
Izod Impact Strength (b)	ISO 180	J/m	25	52	35
Deflection Temperature Under Load at 1.8 MPa (b)	ISO 75	°C	80	70	70
Volume Resistivity Surface Resistivity	IEC 60093	Ω.cm Ω	10 ⁸ -10 ¹⁰	10 ⁶ -10 ⁸	10 ⁵ -10 ⁷
Flammability	UL 94		HB	HB	HB



ABS COMPOUND

— ABS GF

PRODUCT DESCRIPTION

ABS-GF compound is a mixture of ABS resin and glass fiber. It provides end products with high rigidity, heat deflection temperature (HDT) and softening temperature (VICAT) improvement.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP ABS N20GF	ECP ABS N30GF
Color			Natural	Natural
Melt Flow Index (MFI) (200°C/5kg)	ISO 1133	g/10 min	2	2
Density	ISO 1183	g/cm³	1.18	1.22
Tensile Strength at Yield (a)	ISO 527	MPa	48	51
Elongation at Break (a)	ISO 527	%	>10	>5
Flexural Modulus	ISO 178	MPa	3376	4603
Izod Impact Strength (b)	ISO 180	J/m	23	21
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	100	107
Flammability	UL 94		HB	HB



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HIPS COMPOUND

PRODUCT DESCRIPTION

HIPS compound is made of HIPS resin mixed with various additives and reinforcements in different formulas to meet the specific characteristics of plastic end products. Siddh Chemiplast currently provides customers with several types of HIPS compounds, including: HIPS antistatic compound (HIPS-antistatic) HIPS flame retardant compound (HIPS-FR)



Television



Bobbin



Electric generators



HIPS COMPOUND

— HIPS CONDUCTIVE /ANTISTATIC

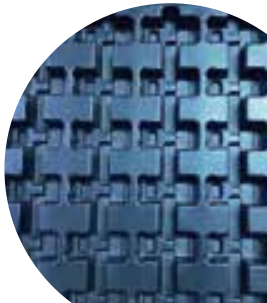
PRODUCT DESCRIPTION

HIPS conductive compound is made of HIPS resin and carbon black conductive or antistatic additives as the reinforcement. It increases mechanical properties, especially conductivity for end products.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP HIPS BK023CD	ECP HIPS N100AS
Color			Black	Natural
Melt Flow Index (MFI) (200°C/5kg)	ISO 1133	g/10 min	6	3.5
Density	ISO 1183	g/cm ³	1.14	1.03
Tensile Strength at Yield (a)	ISO 527	MPa	18	20
Elongation at Break (a)	ISO 527	%	>5	25-30
Flexural Modulus	ISO 178	MPa	2164	1365
Izod Impact Strength (b)	ISO 180	J/m	35	30
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	65	71
Volume Resistivity – Surface Resistivity	IEC 60093	Ω·cm / Ω	10 ⁴ -10 ⁷	10 ⁶ -10 ⁹
Flammability	UL 94		HB	HB



HIPS COMPOUND

— HIPS FR

PRODUCT DESCRIPTION

HIPS-FR compound is made of HIPS resin and flame retardant. According to end products requirements, different levels of UL94-standard flame retardancy (V0, V1 and V2) will be applied.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP HIPS WH1007FR0
Color			White
Melt Flow Index (MFI) (200°C/5kg)	ISO 1133	g/10 min	5
Density	ISO 1183	g/cm ³	1.19
Tensile Strength at Yield (a)	ISO 527	MPa	21
Elongation at Break (a)	ISO 527	%	>5
Flexural Modulus	ISO 178	MPa	2145
Izod Impact Strength (b)	ISO 180	kJ/m ²	7
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	84
Flammability	UL 94		V0

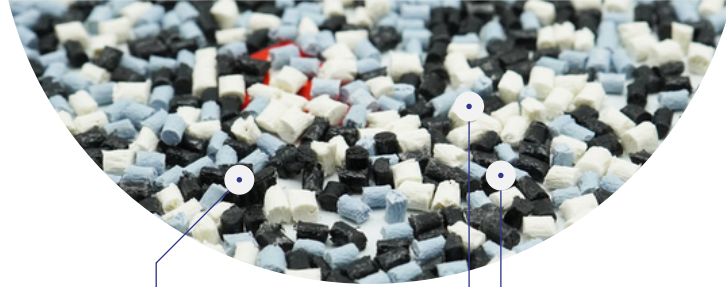


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PC COMPOUND

PRODUCT DESCRIPTION

Siddh Chemiplast PC compound is a mixture of PC resin, specific reinforcements and additives in different formulas to meet characteristics of each end products. It is highly recommended for end products which require great abrasion resistance, high durability and low shrinkage. Siddh Chemiplast provides customers with a series of PC compounds, including: PC glass fiber compound (PC-GF) PC colored compound PC/PBT blend PC/PET blend



Power socket



Electric generator



Wifi



PC COMPOUND

—PC COLORED COMPOUND

PRODUCT DESCRIPTION

PC white compound is a combination of PC resin, pigment and specific additives.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP PC WH1012
Color			White
Melt Flow Index (MFI) (300°C/1.2kg)	ISO 1133	g/10 min	13
Density	ISO 1183	g/cm ³	1.18
Tensile Strength at Yield (a)	ISO 527	MPa	63
Elongation at Break (a)	ISO 527	%	>100
Flexural Modulus	ISO 178	MPa	2010
Izod Impact Strength (b)	ISO 180	kJ/m ²	10.5
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	123
Flammability	UL 94		V2



PC COMPOUND

— PC-GF

PRODUCT DESCRIPTION

PC-GF compound is made of PC resin mixed with glass fiber. It helps to improve stiffness, thermal properties and impact strength of end products.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP PC WH10GF	ECP PC WH30GF
Color			Natural	Natural
Melt Flow Index (MFI) (300°C/1.2kg)	ISO 1133	g/10 min	10	15
Density	ISO 1183	g/cm ³	1.25	1.34
Tensile Strength at Yield (a)	ISO 527	MPa	78	95
Elongation at Break (a)	ISO 527	%	>5	>5
Flexural Modulus	ISO 178	MPa	4521	6330
Izod Impact Strength (b)	ISO 180	kJ/m ²	10	25
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	132	138
Flammability (1.6 mm)	UL 94		V2	V2



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PC COMPOUND

— PC-FR

PRODUCT DESCRIPTION

PC-FR compound is made of PC resin mixed with halogen flame retardant. Depending on customer's requirements, Siddh Chemiplast provides a series of compounds with different levels of flame retardancy according to UL94 standard: 5VA, 5VB, V0, V1, V2.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ECP PC WH 101	ECP PC WH 102 V0
Color			White	White
Melt Flow Index (MFI) (300°C/1.2kg)	ISO 1133	g/10 min	34	34
Density	ISO 1183	g/cm³	1.22	1.21
Tensile Strength at Yield (a)	ISO 527	MPa	60	61
Elongation at Break (a)	ISO 527	%	>5	>5
Flexural Modulus	ISO 178	MPa	2265	2270
Izod Impact Strength (b)	ISO 180	J/m	103	105
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	118	120
Flammability	UL 94		5VA	V0



PC BLEND COMPOUND

— PC/PBT, PC/PET

PRODUCT DESCRIPTION

PC/PBT compound is a blend of PC and PBT. It has great advantages of both PC and PBT, including high mechanical strength, good chemical resistance, and high-pressure resistance. PC/PET compound is a blend of PC and PET. It inherits great properties of both PC and PET, resulting in end products with excellent hardness, high impact resistance, glossiness, flexibility (even in low temperature environment), chemical resistance and electrical insulation.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Methods	Unit	ESC PC-PBT R 001BK	ESC PC-PET R 002 BK
Color			Black	Black
Melt Flow Index (MFI) (260°C / 2.16 kg)	ISO 1133	g/10 min	17	9
Density	ISO 1183	g/cm ³	1.24	1.19
Tensile Strength at Yield (a)	ISO 527	MPa	53	55
Elongation at Break (a)	ISO 527	%	5-10	5-10
Flexural Modulus	ISO 178	MPa	2270	1734
Izod Impact Strength (b)	ISO 180	kJ/m ²	43	27
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	87	122



PC BLEND COMPOUND

— PC/ABS

PRODUCT DESCRIPTION

PC/ABS-GF compound is a blend of PC and ABS resin and reinforced with glass fiber. It helps to increase the stiffness, thermal ability and impact strength of end products.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ESC PC-ABS GR7001
Color	—	—	Grey
Melt Flow Index (MFI) (260°C / 2.16 kg)	ISO 1133	g/10 min	9
Density	ISO 1183	g/cm ³	1.1
Tensile Strength at Yield (a)	ISO 527	MPa	57
Elongation at Break (a)	ISO 527	%	5–10
Flexural Modulus	ISO 178	MPa	2204
Izod Impact Strength (b)	ISO 180	kJ/m ²	25
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	106

PC BLEND COMPOUND

— PC/ABS-GF

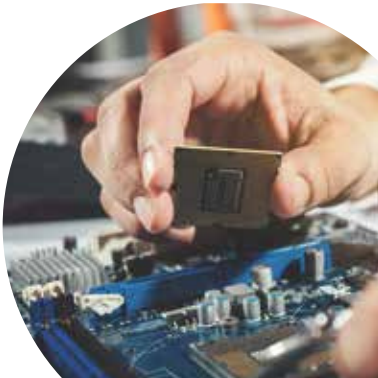
PRODUCT DESCRIPTION

PC/ABS-GF compound is a blend of PC and ABS resin and reinforced with glass fiber. It helps to increase the stiffness, thermal ability and impact strength of end products.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ECP PC-ABS BK015GF	ECP PC-ABS BK025GF
Color	—	—	Black	Black
Glass fiber content	TGA	%	15	25
Density	ISO 1183	g/cm ³	1.28	1.13
Tensile Strength at Yield (a)	ISO 527	MPa	85	92
Elongation at Break (a)	ISO 527	%	>5	>5
Flexural Modulus	ISO 178	MPa	4231	6452
Izod Impact Strength (b)	ISO 180	kJ/m ²	75	68
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	115	126

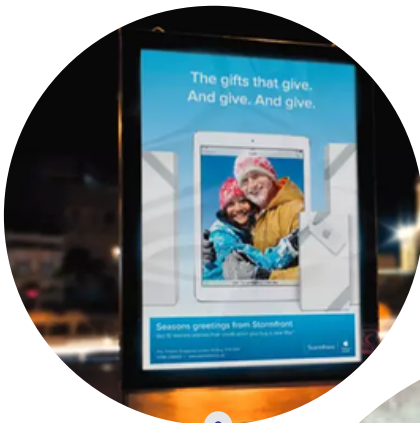


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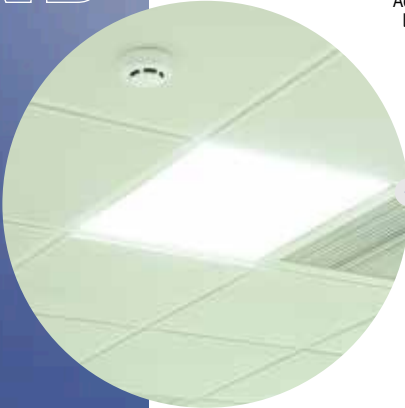
LIGHT DIFFUSION COMPOUND

PRODUCT DESCRIPTION

Light diffusion compound is a combination of PC/PMMA/PP resin and light diffusion additive. It has a good light diffusion ability and formation stability.



Advertising
light box



Office lights



Outdoor lights

LIGHT DIFFUSION COMPOUND



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ESC R1001 LD	ESC PMMA N101 LD	ESC PMMA N102 LD
Color	—	—	Natural	Natural	Natural
Melt Flow Index (MFI)	ISO 1133	g/10 min	10 (300°C / 2.16 kg)	4 (230°C / 3.8 kg)	13 (230°C / 2.16 kg)
Density	ISO 1183	g/cm ³	1.2	1.21	0.91
Tensile Strength at Yield (a)	ISO 527	MPa	61	69	35
Elongation at Break (a)	ISO 527	%	>5	>5	>50
Flexural Modulus	ISO 178	MPa	2350	2865	1485
Izod Impact Strength (b)	ISO 180	J/m	500	18	25
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	140	95	95
Flammability	UL 94	—	V2	HB	HB
Transmittance	D 1003	%	40	40	40
Haze	D 1003	%	99	99	99



[ALL IMAGES ARE REAL]

PA66 & PA6 COMPOUND

PRODUCT DESCRIPTION

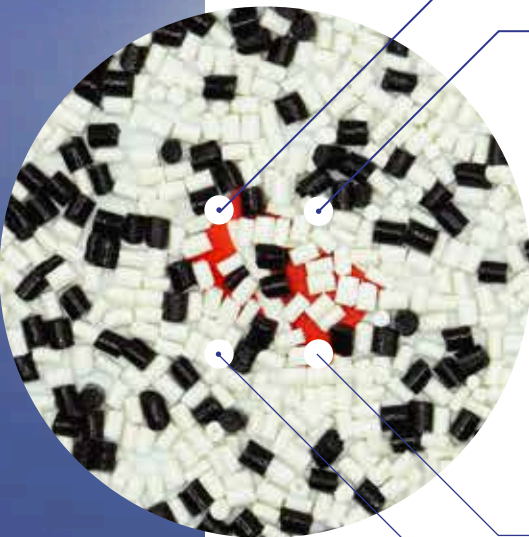
Siddh Chemiplast PA66, PA6 compound is made of PA resin and reinforced with glass beads or glass fibers. It has a high level of mechanical precision and abrasion resistance Siddh Chemiplast provides customers with a series of PC compounds, including: PA6, PA66 glass fiber (PA6, PA66-GF) PA6, PA66 flame retardant (PA6, PA66-FR) Blend PA6, PA66



Insulation
piercing connector



Lawn mower
plastic case



Fuel tank cap



Gears

PA66 & PA6 COMPOUND

— PA6,PA66–GF

PRODUCT DESCRIPTION

PA6, PA66-GF compound is created by PA6, PA66 and glass fibers as the reinforcement. This material provides end products with stiffness improvement, shrinkage reduction, impact strength and thermal durability enhancement.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ECP PA6 WH115GF	ECP PA6 N30GF	ECP PA66 N15GF	ECP PA66 N30GF	ECP PA66 N35GF
Color	—	—	White	Natural	Natural	Natural	Natural
Glass fiber content	TGA	%	15	30	15	30	35%
Density	ISO 1183	g/cm³	1.21	1.35	1.24	1.36	1.45 g/cm³
Tensile Strength at Yield (a)	ISO 527	MPa	70	125-130	124	164	184 MPa
Elongation at Break (a)	ISO 527	%	>5	3-5	>5	3-5	3-5 %
Flexural Modulus	ISO 178	MPa	3426	5218	5751	6951	6537 MPa
Izod Impact Strength (b)	ISO 180	J/m	52	70	40	41	50 J/m
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	165	190	225	232	240 °C
Flammability	UL 94	—	HB	HB	HB	HB	HB



PA6 & PA66 COMPOUND

— PA6, PA66-FR

PRODUCT DESCRIPTION

PA6, PA66-FR compound is made of PA6, PA66 resin and flame retardants (halogen or non-halogen) in different levels according to UL94 standard (V0, V1, V2).



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ESC PA6 N10 GV0	ESC PA6 NV0NH
Color	—	—	Natural	Natural
Glass fiber content	TGA	%	10	—
Density	ISO 1183	g/cm ³	1.4	1.19
Tensile Strength at Yield (a)	ISO 527	MPa	76	63
Elongation at Break (a)	ISO 527	%	3–5	>10
Flexural Modulus	ISO 178	MPa	3890	3710
Izod Impact Strength (b)	ISO 180	kJ/m ²	10	6
Deflection Temperature under Load at 0.45 MPa (b)	ISO 75	°C	180	180
Flammability	UL 94	—	V0	V0



PA6 & PA66 COMPOUND

— BLEND PA6,PA66

PRODUCT DESCRIPTION

PA6, PA66 blend compound is a combination of PA6, PA66 resin and elastomer. Thanks to its great mechanical properties and thermal ability, blend PA6, PA66 significantly improves end products flexibility and impact strength.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ECP PA66 BK001
Color	—	—	Black
Density	ISO 1183	g/cm ³	1.15
Tensile Strength at Yield (a)	ISO 527	MPa	50
Elongation at Break (a)	ISO 527	%	>100
Flexural Modulus	ISO 178	MPa	1282
Izod Impact Strength (b)	ISO 180	kJ/m ²	36
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	55
Flammability	UL 94	—	HB



POM COMPOUND

PRODUCT DESCRIPTION

POM compound is a combination of POM resin, reinforcements and suitable additives in different formulas to meet specific characteristics of each end product.

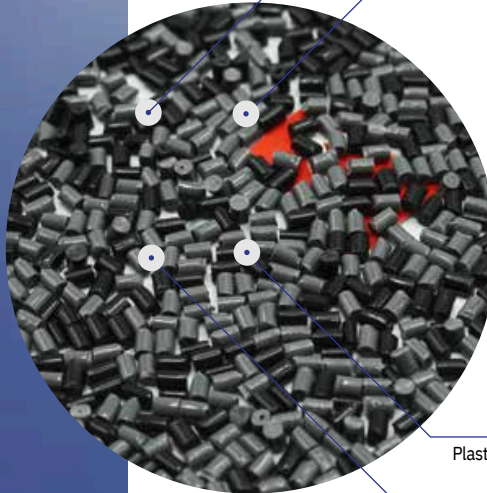
Siddh Chemiplast provides customers with a series of POM compounds, including: POM colored compound POM glass fiber compound (POM-GF) POM blend compound



Ball bearings



Screw nuts



Plastic coupling



Shower



POM COMPOUND

PRODUCT DESCRIPTION

POM compound is a combination of POM resin, reinforcements and suitable additives in different formulas to meet specific characteristics of each end product.



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ESC POM BK002	ESC POM N30GF	ESC POM N105EC
Color	—	—	Black	Natural	Natural
Melt Flow Index (MFI) (190°C / 2.16 kg)	ISO 1133	g/10 min	10	5	8
Density	ISO 1183	g/cm ³	1.4	1.62	1.3
Tensile Strength at Yield (a)	ISO 527	MPa	57	65	41
Flexural Modulus	ISO 178	MPa	2500	5861	1830
Izod Impact Strength (b)	ISO 180	kJ/m ²	11	6	10
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	95	158	95
Flammability	UL 94	—	HB	HB	HB



[ALL IMAGES ARE REAL]

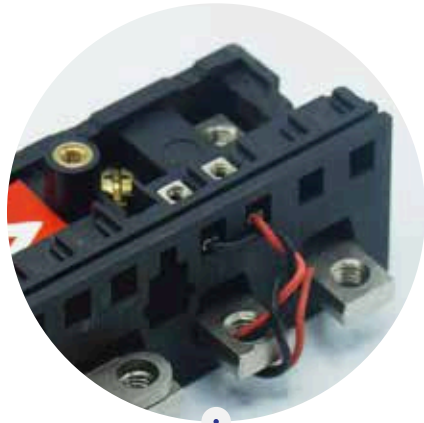
PBT COMPOUND

PRODUCT DESCRIPTION

PBT compound is made of PBT resin, additives and suitable reinforcements in different formulas to meet specific characteristics of each end product.

Siddh Chemiplast PBT compounds are available in two main types, including:

- PBT glass fiber compound (PBT-GF)
- PBT flame retardant compound V0 (PBT-FR)



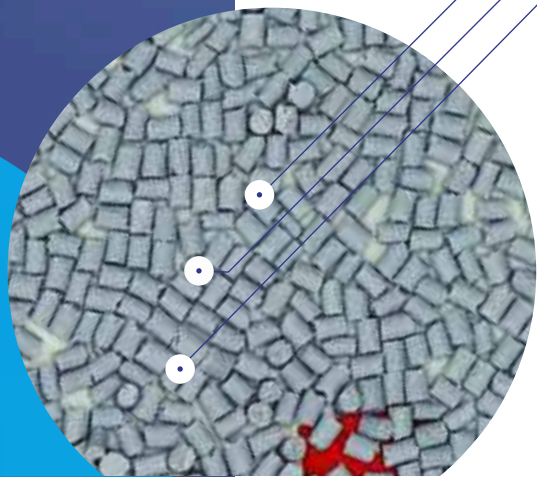
Terminal
block connertor



Electrial equipment



Electrical
engineering

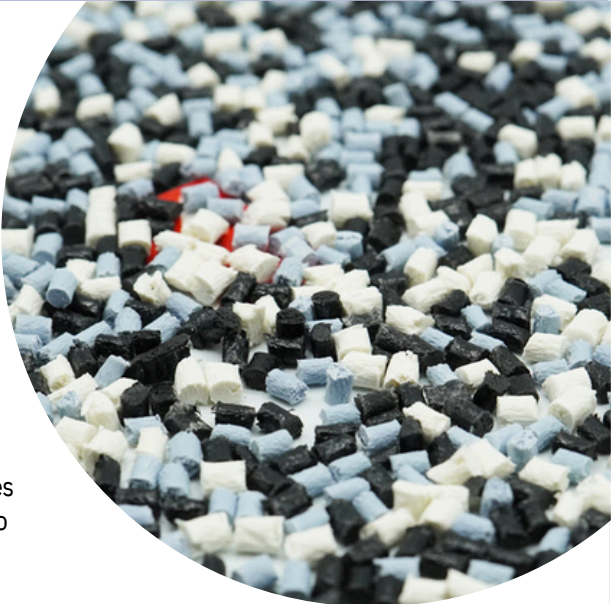


PBT COMPOUND

— PBT GF-FR

PRODUCT DESCRIPTION

PBT-GF-FR compound is made of PBT resin mixed with glass fiber and flame retardant. Depending on customer's requirements, Siddh Chemiplast provides various types of compounds with different flame retardant levels according to UL94 standard (5VA, 5VB, V0, V1, V2).



TECHNICAL SPECIFICATIONS

Criteria	Measurement Method	Unit	ESC PBT GE 6001V0	ESC GR 730GV0
Color	—	—	Green	Grey
Glass fiber content	TGA	%	—	30
Density	ISO 1183	g/cm ³	1.38	1.56
Tensile Strength at Yield (a)	ISO 527	MPa	54	110
Elongation at Break	ISO 527	%	>10	2-3
Flexural Modulus	ISO 178	MPa	2551	8000
Izod Impact Strength (b)	ISO 180	kJ/m ²	6	11
Deflection Temperature under Load at 1.8 MPa (b)	ISO 75	°C	95	190
Flammability	UL 94	—	V0	V0





SIDDH CHEMIPLAST P LTD

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