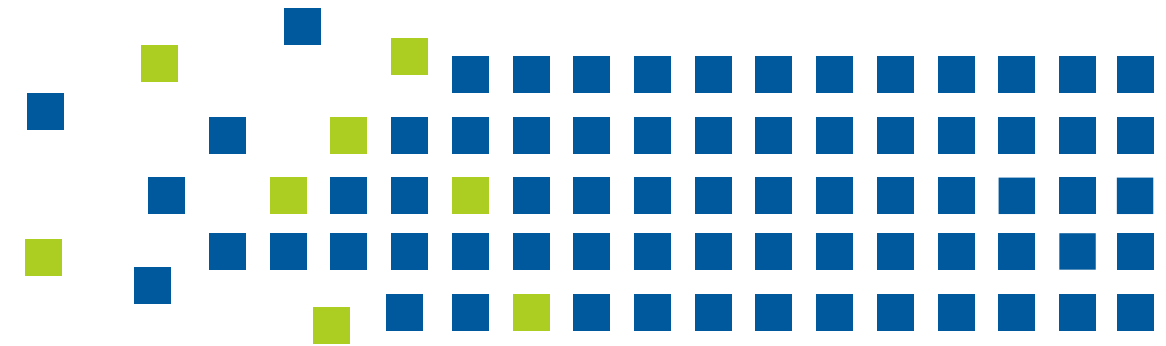




CiaoPlas  **CIAO GREEN**



Line



Website



On Facebook



On YouTube



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Your Imagination, Our Innovation

产品 Products

尼龙6 (Pa6)

玻纤强化级
 Glass Fiber Reinforced
玻矿纤强化级
 Glass Fiber and Minerals Reinforced
超韧耐寒级
 High Impact Strength at Low Temperature
耐冲刚性强化级
 Glass Fiber Reinforced and Elastomer Toughened
射出级
 Injection Grade
阻燃级
 Flame Retardant Modified
阻燃刚性强化级
 Flame Retardant Glass Fiber Reinforced
导热级
 Thermally Conductive
导电级
 Electrically Conductive Anti-static
电镀级
 Electroplated Grade
磁性级
 Magnetic Grade

尼龙66 (Pa66)

射出级
 Injection Grade
玻纤强化级
 Glass Fiber Reinforced
玻矿纤强化级
 Glass Fiber and Minerals Reinforced
超韧耐寒级
 High Impact Strength at Low Temperature
耐冲刚性强化级
 Glass Fiber Reinforced and Elastomer Toughened
耐磨级
 Wear Resistance
阻燃刚性强化级
 Flame Retardant Glass Fiber Reinforced
无卤阻燃级
 Halogen Free and Flame Retardant
耐水解级
 Hydrolysis Resistance Grade

尼龙6/66 (PA6/66)

玻纤强化级
 Glass Fiber Reinforced
超韧耐寒级
 High Impact Strength at Low Temperature
耐冲刚性强化级
 Glass Fiber Reinforced Elastomer Toughened
阻燃级
 Flame Retardant Modified
耐水解级
 Hydrolysis Resistance Grade

聚丙烯 (PP)

玻纤强化级
 Glass Fiber Reinforced
玻矿纤强化级
 Glass Fiber and Minerals Reinforced
表面改良级
 Glass Fiber Reinforced
保杆级用料
 Bumper Grade
抗菌级
 Anti-bacterial Grade
植纤级
 Plant Fibers Grade
阻燃级
 Flame Retardant
无卤阻燃级
 Halogen Free and Flame Retardant
无卤阻燃刚性强化级
 Flame Retardant Glass Fiber Reinforced
抗静电级
 Anti-static
导电级
 Electrically Conductive

生质材料 (BIODEGRADABLE POLYMER)

射出级
 Injection Grade
吹塑级
 Film Grade
挤出级
 Extrusion Grade

品质 · 技术 Quality · Technology



BPI



seedling mark



JBPA



GreenPLA



Din Certco



GRS

CiaoPlas

工程塑胶
Engineering Plastic

CIAO GREEN

生质材料
Biodegradable Polymer



专业配色服务
Professional Color Matching Service

尼龙 6 树脂											
POLYAMIDE 6 RESIN											
物性表											
Technical Data Sheet											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
射出级 Injection grade	MC212-H35 高流动性快速结晶射出级 本色	1.12	1	780	950	26000	3	58	V2	结合优异的高流动性及快速结晶，适用于薄件射出。	广泛应用于电子电机、汽车、电动工具、配线器材等产业。
	MC212-H50 快速结晶 本色	1.13	0.7	780	950	26000	3	58	—	It exhibits high flow injection and fast cycle properties which is suitable for Thin-Wall injection molding	Electric appliance, automotive parts, electric tools, cable ties.
玻纤强化级 Glass Fiber Reinforced	MC212G15 NAT 15%玻纤 本色	1.23	0.35	1150	1850	50000	7	200	HB	结合优异的高刚性、尺寸安定性、低翘曲性与表面平滑特性。 It exhibits high rigidity, dimensional stability, low warpage and glossy surface properties.	机车引擎护套、打气筒、园艺工具、电热器外壳、风扇外壳、车轮。 Motorcycle engine protection cover, air pump components, garden tools, heater housing, electric fan housing, wheel.
	MC212G20 NAT 20%玻纤 本色	1.270	0.35	1300	2100	59000	9	205	HB		
	MC212G33 NAT 33%玻纤 本色	1.38	0.25	1650	2600	85000	16	210	HB		
	MC212G45 NAT 45%玻纤 本色	1.50	0.1	1900	3150	120000	20	210	HB		
	MC212G50 NAT 50%玻纤 本色	1.57	0.1	2000	3200	135000	22	215	HB		
玻矿纤强化级 Glass Fiber and Minerals Reinforced	MC212GM20 NAT 20%玻矿纤 本色	1.35	0.4	800	1200	50000	5	195	HB	结合优异的高刚性、尺寸安定性、低翘曲性与表面平滑特性。 It exhibits high rigidity, dimensional stability, low warpage and glossy surface properties.	机车引擎护套、打气筒、园艺工具、电热器外壳、风扇外壳 Motorcycle engine protection cover, air pump components, garden tools, heater housing, electric fan housing.
	MC212GM30 NAT 30%玻矿纤 本色	1.38	0.35	1000	1550	57000	7	195	HB		
	MC212GM40 NAT 40%玻矿纤 本色	1.44	0.35	1200	1900	70000	9	205	HB		
超韧耐寒级 High Impact Strength at Low Temperature	MC212LST NAT 低温耐冲击 本色	1.06	1.45	470	650	17500	85(25°C) 55(-20°C)	55	HB	结合优异的超高韧性及低温耐冲击特性。 It exhibits super tough and high impact strength at low temperatures.	帐篷支架、旅行箱配件、运动器材、婴儿车及自行车零配件、电动机械零配件。 Tent holder, suitcase accessories, sports equipment, mechanical parts stroller and bicycle accessories.
耐冲刚性强化级 Glass Fiber Reinforced and Elastomer Toughened	MC212STG10 NAT 10%玻纤&耐冲击 本色	1.18	0.3-0.7	850	1400	42000	15	185	HB	结合优异的超高刚性及高韧特性。 It exhibits high rigidity and high toughness properties.	运动器材、电动工具外壳、溜冰鞋底座、轮椅轮框、电池盒座。
	MC212STG20 NAT 20%玻纤&耐冲击 本色	1.25	0.3	1100	1700	50000	18(25°C) 10(-20°C)	200	HB		
	MC212STG35 NAT 35%玻纤&耐冲击 本色	1.33	0.33	1400	2100	75000	20	205	HB		
	MC212STG40 BKR 40%玻纤&耐冲击 黑色	1.32	0.2-0.4	1200	2000	81000	19	200	HB	低吸湿级。吸湿率 ≤ 1.5%。 结合优异的超高刚性及高韧特性。 Low moisture absorption moisture absorption≤ 1.5% It exhibits high rigidity and high toughness properties.	Sports equipments, eletric equipments casing, roller skate base, wheelchair round frame, battery parts.
	MC212STG30 BKR 30%玻纤&耐冲击 黑色	1.40	0.4	1650	2500	95000	25	210	HB		

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- 本色树脂可依客户颜色需求染色

● Color-matching service for customer's need

- 测试条件：23±2℃，50±5% RH，24小時

● Testing condition: 23±2℃，50±5% RH，24hrs

- 比重条件:数据正负误差值±0.02

● The value of specific gravity is subject to the deviation of ±0.02

尼龙 6 树脂											
POLYAMIDE 6 RESIN											
物性表											
Technical Data Sheet											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
阻燃级 Flame Retardant Modified	Mc212 FH05 NAT 无卤阻燃性UL94 本色	1.17	1.0	700	1150	30000	5	75	1/32" V0	优异的阻燃特性 具有UL94黄卡。 It exhibits outstanding flame-retardant UL94(Refer to yellow card)	连接器、电器开关壳体、散热风扇、 电动工具、工具机马达壳。 Connector, electric appliance switch, radiation ventilator, electric equipments, machine motor housing.
	Mc212 FH30 NAT 无卤阻燃性UL94 本色	1.36	0.6-0.8	1250	2200	87000	7~9	240	1/32" V0		
	Mc212 FH35 NAT 无卤阻燃性 UL94 本色	1.40	0.5-0.7	1350	2300	91000	9	245	1/32" V0		
阻燃刚性强化级 Flame Retardant Glass Fiber Reinforced	Mc212 LB30 NAT 无卤阻燃性 本色	1.54	0.5-0.7	1400	2100	98000	10	200	V0	高强度、高刚性、高耐热、 良好的尺寸稳定性以及成型工艺性。 High strength, rigidity, heat resistance, excellent dimensional stability and molding technology.	
	Mc212 LB40 NAT 无卤阻燃性 本色	1.60	0.3-0.5	1500	2300	100000	10~12	210	V0		
导热级 Thermally Conductive	MC212FI10 NAT 高导热性尼龙 本色	1.3~1.8	0.2-0.4	500	1,100	55,000	3~5	220	HB	导热率0.5~5。提供绝佳的散热效果， 特别适用于户外与室内的LED照明灯泡 基底壳，且有绝缘导电不同规格特性， 符合UL94 V0 Thermal conductivity 0.5~5。 It offers excellent heat dissipation by radiation and is applicable for indoor and outdoor LED lighting. Certified UI94 V0	LED灯泡鳍片、3C产品外壳。 LED light bulb plate fin, computer related product casing.
导电级 Electrically conductive Anti-static	MC212NC05 NAT 奈米碳管导电性尼龙 本色	1.08	1.8	400	650	16,000	4	200	HB	导电/抗静电级。表面电阻10 ³ ~10 ⁹ 。 提供抗静电与静电消散(ESD)防护要求， 以及电磁与射频干扰(EMI/RFI)屏蔽。 Electrically conductives/ anti-static Anti-static character with surface resistance10 ³ ~10 ⁹ 。 It offers reliability and value on applications that require dissipation of static charges, protection from electrostatic discharge (ESD), and EMI/RFI shielding.	封装包材、IC及LCD托盘、 电子通讯产品外壳、 电器产品EMI遮罩外壳。 Packaging, IC&LCD tray, electronic communication products casing, electric equipments casing with EMI shielding.
电镀级 Electroplated Grade	MC212MS30 NAT 电镀性尼龙 本色	1.42	0.9	600	1,000	31,000	3	85	HB	奈米级电镀尼龙，本色。具高刚性、 耐高温、电镀后表面平整光滑特性。 HDT较同系列高10℃~15℃ Nano electroplated nylon grade. It exhibits high rigidity, heat resistant, smooth electroplated surface properties which has HDT higher than normal nylon around 10~15℃.	汽车后视镜、电镀产品。 Reflector, Electroplated parts.
磁性级 Magnetic Grade	MC212FE20 NAT 磁性尼龙 本色	1.3	0.5	650	950	22,000	6	—	HB	绝缘且具有可吸铁金属、 不生锈特性。 It exhibits insulation, magnetic properties and rust resistance.	运动器材、玩具、检测元件、建材。 Sporting equipment, Toys, Electric detector parts, Construction parts.

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- 测试条件：23±2℃，50±5% RH，24小時
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- 比重条件:数据正负误差值±0.02
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尼龙 66 树脂											
POLYAMIDE 66 RESIN											
物性表											
Technical Data Sheet											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength ,Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
射出级 Injection grade	MD212 NAT 射出级 本色	1.14	1.7	835	815	29500	6.1	70	1/32" V2	结合优异的高流动性及快速结晶，适用于薄件射出。 It exhibits high flow injection and fast cycle properties which is suitable for Thin-Wall injection molding.	广泛应用于电子电机、汽机车、电动工具、配线器材等产业。 Electric appliance, automotive parts, electric tools, cable ties.
玻纤强化级 Glass Fiber Reinforced	MD212G15 NAT 15%玻纤 本色	1.25	0.3	1150	1800	54000	7	240	HB	结合优异的硬度、强度和耐热特性。 It exhibits outstanding stiffness, strength and heat resistant properties.	运动器材、插头、风扇叶片、塑胶螺钉、齿轮、自行车煞车碟片、螺帽。 Sporting equipment, Power plug, Fan louver, Plastic screw, Gear parts, Bicycle braking parts, Bolt and nut.
	MD212G33 NAT 33%玻纤 本色	1.38	0.3	1850	2850	94000	12	250	HB		
	MD212G45 NAT 45%玻纤 本色	1.51	0.25	2200	3300	130000	15	255	HB		
	MD212G50 NAT 50%玻纤 本色	1.57	0.25	2300	3600	145000	16	255	HB		
玻矿纤强化级 Glass Fiber and Minerals Reinforced	MD212GM38 38%玻矿纤 本色	1.47	0.3-0.4	1200	2340	71500	8	230	HB	结合优异的高刚性、尺寸安定性、低翘曲性与表面平滑特性。 It exhibits high rigidity, dimensional stability, low warpage and glossy surface properties.	吹风机外壳、打字机筒管、照相机脚座、钓具卷线轴。 Hair dryer casing, Typewriter bobbin, Camera tripod, Fishing tackle winder.
超韧耐寒级 High Impact Strength at Low Temperature	MD212LST NAT 低温耐冲击 本色	1.08	1.4	500	750	18000	90(25°C) 10(-20°C)	60	HB	结合优异的超高韧性及低温耐冲特性。 It exhibits super toughness and high impact strength at low temperatures.	雪鞋鞋底、网球拍条钉。 Snowshoes base ,
耐冲刚性强化级 Glass Fiber Reinforced and Elastomer Toughened	MD212STG15 NAT 15%玻纤&耐冲击 本色	1.19	0.5-1.1	1100	1300	40000	18	210	HB	结合优异的超高刚性及高韧特性。 It exhibits outstanding stiffness, strength and toughness properties.	电动工具外壳、溜冰鞋底、轮椅用料。 Electric tool casing, Roller skates base, Wheelchair wheel frame.
	MD212STG33 NAT 33%玻纤&耐冲击 本色	1.38	0.3-0.8	1300	1800	65000	24	220	HB		
耐磨级 Wear Resistance	MD212LA10 耐磨性 本色	1.14	2.0	750	1200	32000	4	70	HB	结合优异的耐磨及持久特性。 It exhibits outstanding wear resistance and durability properties.	滑轮、轴承套。 Pulley, Bearing sleeve.

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尼龙 66 树脂											
POLYAMIDE 66 RESIN											
物性表											
Technical Data Sheet											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
阻燃刚性强化级 Flame Retardant Glass Fiber Reinforced	MD212LB30 NAT 有卤阻燃刚性 UL94 本色	1.45	0.5	1370	2200	91000	8	235	V0	高强度、高刚性、高耐热、 良好的尺寸稳定性以及成型工艺性。 具有UL94黄卡。	连接器、电器开关壳体、散热风扇、 电动工具、工具机马达壳。
	MD212LB35 NAT 有卤阻燃刚性 UL94 本色	1.50	0.3	1400	2300	85000	10	240	V0	High strength, rigidity, heat resistance, excellent dimensional stability and molding technology. UL94(Refer to yellow card)	Connector, Electric appliance switch, Radiator, Electric tools, Machine motor housing.
无卤阻燃级 Halogen Free and Flame Retardant	MD212FH05 NAT 无卤阻燃性 UL94 本色	1.17	1.1	750	1200	31000	5	105	1/32" V0	优异的阻燃特性。 具有UL94黄卡。	连接器、电器开关壳体、散热风扇、 电动工具、工具机马达壳。
	MD212FH30 NAT 无卤阻燃性 UL94 本色	1.40	0.6	1300	2500	70000	7.5	240	V0	It exhibits outstanding flame retardancy properties. UL94(Refer to yellow card)	Connector, Electric appliance switch, Radiator, Electric tools, Machine motor housing.
	MD212FH35 NAT 无卤阻燃刚性 UL94 本色	1.38	0.3	1200	2000	83000	10	240	1/32" V0		
耐水解级 Hydrolysis resistance Grade	MD212GH33 耐水解性 本色	1.41	0.27	1800	2900	104000	14	250	HB	具高刚性、耐高温、耐水解特性材料， 且 符合规范 TI52062 。 It exhibits high rigidity, heat resistant properties which is conform to TI520620.	水室产品、中冷器、汽车配件。 Radiator tank, Cooling fan.

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POLYAMIDE 6/66 RESIN											
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特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
玻纤强化级 Glass Fiber Reinforced	MB212G15 NAT 15%玻纤 本色	1.22	0.2-0.35	1000	1,600	48,000	7	220	HB	结合优异的高刚性、尺寸安定性、 低翘曲性与表面平滑特性。 It exhibits high flow injection and fast cycle properties which is suitable for Thin-Wall injection molding	吹风机外壳、打字机筒管、 照相机脚座、钓具卷线轴。 Hair dryer casing, typewriter bobbin, camera tripod, fishing tackle winder.
	MB212G33 NAT 33%玻纤 本色	1.40	0.15	1750	2,700	88,000	14	225	HB		
	MB212G45 NAT 45%玻纤 本色	1.51	0.15	1900	2,900	110,000	20	230	HB		
超韧耐寒级 High Impact Strength at Low Temperature	MB212LST NAT 低温耐冲击 本色	1.10	1.6	500	850	19,500	70(25°C) 10(-20°C)	60	HB	结合优异的超高韧性及低温耐冲特性。 It exhibits super tough and high impact strength at low temperatures.	溜冰鞋支架、婴儿车配件、 运动器材。 Roller skates holder, stroller accessories, sports equipments.
耐衝刚性強化級 Glass Fiber Reinforced Elastomer Toughened	MB212STG15 NAT 15%玻纤&耐冲击 本色	1.10	0.5-0.7	950	1,400	40,000	14	>210	HB	结合优异的强度和耐热特性。 It exhibits outstanding stiffness and heat resistant properties.	马达外壳、鞋跟、 办公桌椅滤油器、 工业用扣带。 Motor casing, shoe heel, office furniture, oil filter, industrial used buckle.
	MB212STG25 NAT 25%玻纤&耐冲击 本色	1.32	0.4-0.6	1250	1,800	55,000	18	>215	HB		
	MB212STG40 NAT 40%玻纤&耐冲击 本色	1.42-1.46	0.1-0.2	1400	2,300	70,000	15	215-240	HB		
阻燃级 Flame Retardant Modified	MB212 FH05 NAT 无卤阻燃性 UL94 本色	1.18	1.5-1.6	600	1,050	27,000	6	125	V0	优异的阻燃特性。 It exhibits outstanding flame-retardant properties.	连接器、电器开关壳座、散热风扇、 电动工具、工具机马达壳。 Connector, electric appliance switch, radiation ventilator, electric equipments, machine motor housing.
阻燃刚性强化级 Flame Retardant and Glass Fiber Reinforced	MB212 LB30 NAT 有卤阻燃刚性 UL95 本色	1.580	0.25	1400	2,200	91,000	11	240	V0	高强度、高刚性、高耐热、 良好的尺寸稳定性以及成型工艺性。 High strength, rigidity, heat resistance, excellent dimensional stability and molding technology.	连接器、电器开关壳座、散热风扇、 电动工具、工具机马达壳。 Connector, electric appliance switch, radiation ventilator, electric equipments, machine motor housing.
耐水解级 Hydrolysis resistance grade	MB212GH33 耐水解性 本色	1.36-1.39	0.2-0.3	1600	2,500	80,000	34	205	HB	具高刚性、耐高温、耐水解特性材料， 且符合规范TL52062。 It exhibits high rigidity, heat resistant, properties which is conform to TI520620.	水室产品、中冷器、汽车配件。 Radiator tank, cooling fan

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● Testing condition: 23±2℃，50±5% RH，24hrs

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PP复合塑胶											
POLYPROPYLENE RESIN											
物性表											
Technical Data Sheet											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm ²)	ASTM D790 (kg/cm ²)	ASTM D790 (kg/cm ²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
表面改良级 Glass Fiber Reinforced	PP212MS15 NAT 15% 矿纤 表面改良 本色	1.05	1.55	325	425	14775	3.5	114	HB	结合优异的高刚性、高韧性、 表面平滑性。 It exhibits high rigidity, high toughness, glossy surface properties.	仪表板座、门板、内部饰板、 灯罩、家电产品零件。 Motor meter base, door plank, lampshade, home appliance.
	PP212MS25 NAT 25% 矿纤 表面改良 本色	1.14	0.9-1.2	330	485	16120	4	116	HB	结合优异的高刚性、尺寸安定性、 高韧性、表面平滑性。	仪表板座、门板、内部饰板、灯罩、 家电产品零件、饭锅外壳、咖啡炉、 刮胡刀外壳。
保杆级用料 Bumper grade	PP212MS20 BAK 20%矿纤 黑色	1.03	0.4	230	365	18895	5.5	60	HB	It exhibits high rigidity, dimensional stability, high toughness, glossy surface properties.	Motor meter base, door plank, lampshade, rice cooker housing, coffee pot, razor casing.
抗菌级 Anti-bacterial grade	PP212AG05 NAT 抗菌级 本色	0.97	1.4	350	450	11000	4	115	HB	结合银离子抗菌特性、减少树脂上细菌 孳生(大肠杆菌、金黄色葡萄球菌)。 通过JISZ 280I测试。 It applies to the products that require hygienic and control of bacteria growth. Combining with Silver ion which has very good antibacterial property and is able to control E.coli, Staphylococcus aureus.JISZ 280I test approved.	握把、厕所配件、居家用品。 Grip, bathroom accessories home appliance.
植纤级 Plant fibers grade	PP212PF20 植纤级 本色	0.97	1.4	320	570	17000	5	100	HB	结合植纤外观及低比重特性， 让产品具有环保概念。 The modified PP resin with plant fibers has the characteristic of plant fibers appearance and lower gravity which is suitable for eco-friendly products.	厨房用具、装饰产品。 Kitchenware decorative products.
阻燃级 Flame Retardant	PP212LB05 NAT 阻燃级本色	0.98	1.0	300	550	14000	3	100	V2	结合优异的耐燃性、尺寸安定性与 耐候性。 具有UL94黄卡。 It exhibits flame retardancy, dimensional stability and weatherability resistance properties. UL94(Refer to yellow card)	电热器、电暖器、电器绝缘板。 Electric heater, electric radiator, electric equipment for insulation plank.
无卤阻燃级 Halogen Free and Flame Retardant	PP212FH05 NAT 无卤阻燃级 UL94 本色	1.95	1.5	200	360	12000	5	100	V0		
无卤阻燃刚性 强化级 Flame Retardant Glass Fiber Reinforced	PP212FH35 NAT 无卤阻燃刚性强化级 UL94 本色	1.40	0.89	400	660	52000	6.5	155	V0		
抗静电级 Anti-static	PP212AS05 NAT 抗静电级 本色	0.90	1.5	280	450	12500	4	115	HB	材料表面电阻达到10 ⁷ ~10 ¹⁰ (Ω/□) 导电特性。 It applies to the products that require anti-static characteristic with surface resistance 10 ⁷ ~10 ¹⁰ (Ω/□)	包装材、无尘室耗材、电子产业。 Packaging material, cleanroom supplies electronic industry.
导电级 Electrically conductive	PP212LC20 BK 导电级 本色	1.10	1.2	300	500	12500	4	100	HB	材料表面电阻达到10 ⁵ ~10 ¹⁰ (Ω/□) 导电特性。 It applies to the products that require anti-static characteristic with surface resistance 10 ⁵ ~10 ¹⁰ (Ω/□)	家电外壳、风扇配件、无尘室耗材。 Electric appliance housing fan accessories cleanroom supplies.

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PP复合塑胶											
POLYPROPYLENE RESIN											
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength Notched	变热形温度 H.D.T	UL 94 Class (T=1.6mm,1/16")	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)			
玻纤强化级 Glass Fiber Reinforced	PP212G20 NAT 20%玻纤 本色	1.07	0.3	700	1150	41000	11	155	HB	结合优异的高刚性、尺寸安定性。 It exhibits high rigidity and dimensional stability properties.	化工厂泵浦外壳、纺织纱管、汽车风扇、自行车配件、打气筒零件。 Pump housing, spin tube, motor fan, bicycle accessories, air pump components.
	PP212G30 NAT 30%玻纤 本色	1.12	0.2	750	1150	58000	7	160	HB		
	PP212G40 NAT 40%玻纤 本色	1.22	0.2	880	1480	70300	15	155	HB		
玻矿纤强化级 Glass Fiber and Minerals Reinforced	PP212GM20 NAT 20%玻矿纤 本色	1.03	1.0	370	550	20000	3	130	HB	结合优异的高刚性、尺寸安定性、表面平滑性。 It exhibits high rigidity and dimensional stability properties.	仪表板座、门板、灯罩、饭锅外壳、咖啡炉、刮胡刀外壳。 Motor meter base, door plank, lampshade, rice cooker housing, coffee pot, razor casing.
	PP212GM30 NAT 30%玻矿纤 本色	1.11	0.9	400	600	25000	4	130	HB		
	PP212GM40 NAT 40%玻矿纤 本色	1.20	0.8	420	650	30000	4	135	HB		

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生质材料				物性表						
BIODEGRADABLE POLYMER				Technical Data Sheet						
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	收缩率 Molding Shrinkage	抗张强度 Tensile Strength at Break	抗折强度 Flexural Strength	抗折模数 Flexural Modulus	冲击强度 Izod Impact Strength _Notched	变形形温度 H.D.T	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D955 (%)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)		
射出级 Injection grade	PLA290HT07 NAT 超高耐热(120°C) heat resistance (120°C)	1.26	1.2	500	900	40000	3	120	为生物可降解材料，具耐热、耐刮、流动性佳及结晶速度快...等特性。 Biodegradable materials exhibit heat resistance, mar resistance, high flow rate and fast cycle time characteristic.	一般射出级产品、办公室用品、餐具、高亮面耐热马克杯。 General injection grade for OA supplies, tableware, heat resistant and glossy mugs.
	PLS410MS03 WHT 耐热增韧级(90°C) heat resistance(90°C) Toughness and impact strength properties biomass material	1.29	1.7	400	550	11800	5.2	90		
	PLS420MS18-3 NAT 耐热经济型(90°C) Economical heat resistance(90°C)	1.39	1.2	350	650	30000	4.5	95		
	PLS440PF03-1 NAT 增韧级甘蔗植纤 Toughness and impact strength properties Sugarcane biomass material	1.23	1	350	550	11000	3	65		

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BIODEGRADABLE POLYMER				Technical Data Sheet					
特 性 Characteristics	型号/品名 Product Name	比 重 Specific Gravity	MD抗张强度 Tensile Strength at Break	MD延伸率 MD Elongation	TD抗张强度 TD Tensile Strength at Break	TD延伸率 TD Elongation	熔 融 MI	产 品 优 势 Product Advantages	应 用 范 围 Product Applications
		ASTM D792 (±0.02)	ASTM D638 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D790 (kg/cm²)	ASTM D256 (kg-cm/cm)	ASTM D648 °C(264 psi)		
吹膜级 Blown film grade	PLS320MS03 NAT 一般型 General grade	1.3	350	>100	400	>150	<5	为生物可降解吹膜材料， 可运用于膜袋类一次性消 耗产品，具有良好的延展 性及韧性。 It exhibits excellent melt strength and elongation film compounds products which are suitable for disposable plastic bags.	塑胶包材、农地膜。 Plastic bags, Agricultural film.
	PBM310MS20 BKR 经济型 Economic grade	1.39	500	>100	400	>200	<5		

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BIODEGRADABLE POLYMER				Technical Data Sheet					
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挤出级 Extrusion Grade	PLA290-1 NAT 3D列印生质材料 3D printing biodegradable polymer	1.24	500	1000	30000	3	55	适用于3D线材产品，印制时无臭味且不易卷翘。 3D printing filament grade with no foul smell while printing and smooth surface.	3D列印线材。 3D printing filament.
	PLS420MS18-1 NAT 耐热板材、餐盒 Heat resistant sheet Heat resistant tableware	1.39	400	650	16500	6	85	为生物可降解材料，耐热性佳，防潮、耐热、无毒、无臭、无味之包装材料。 Biodegradable extrusion film with superior features of heat resistance heat resistance, moisture-proof, non-toxic, and odorless.	食品、纤维、一般文具、杂货等个体包。 Food, fibert, stationery, and general merchandise
	PLA130-1 NAT 吸管生质材料(可弯折) biodegradable polymer for straw (Bendable)	1.25	400	500	11000	7	70	为生物可降解材料吸管，友善自然环境，安全且无毒。 It's biodegradable material of straw, enviornmental-friendly, safe as well as non-toxic.	生质吸管。 Biomass material straw
	PLA420MS18 NAT 耐热吸管生质材料 heat resistance biodegradable polymer for straw	1.39	400	650	16500	6	85		