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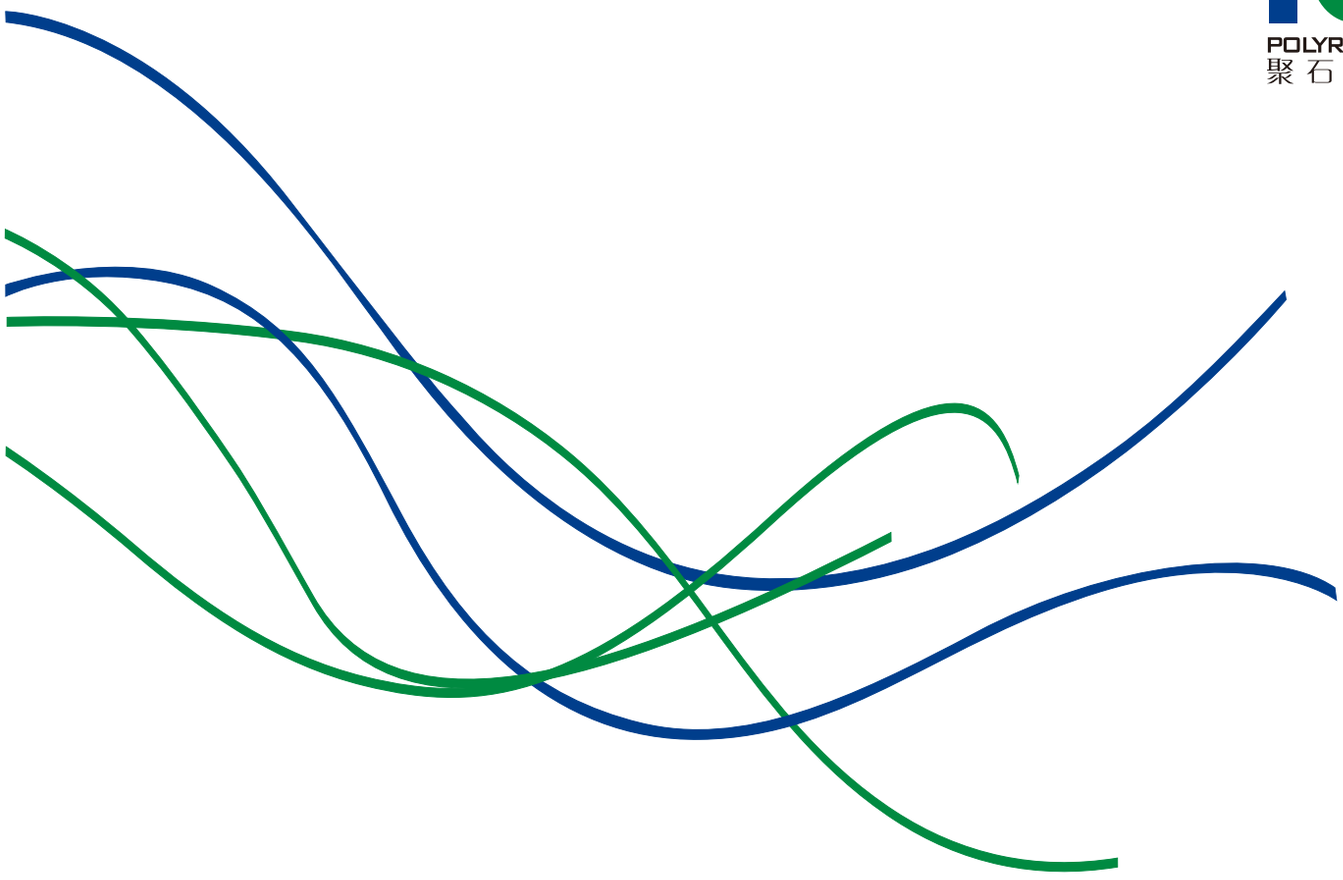

广东聚石化学股份有限公司
POLYROCKS CHEMICAL CO.,LTD

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Series	Varieties	Grades	Characteristic		Applications
POLULIT®	1001（+）Flame Retardant PC	1001T	Flame retardant performance is achieved by catalyzing PC to carbonization during combustion, Good heat resistance and Impact resistance, High flame retardance, Good mechanical properties at room temperature.	Halogen-free flame retardant,high transparency	Computer products, Household appliance
		1001C		High toughness at low and room temperature , Good weather resistance.	Controller, Plug, Socket, Shell of motor
	1005G（+）Glass Fiber Reinforced Flame Retardant PC	1005（+）	10%-30% glass fiber filled, the rigidity and heat resistance increase with the addition of glass fiber. Flame retardance (1.5mm, UL94-V0).	High mechanical strength, High rigidity, High heat resistance.	E/E parts , Power tool , Office supplies

Series	Varieties	Grades	Characteristic		Applications
POULOY®	2001（+）PC/ABS	2001A	Thermoplastic alloy modified by the blend of polycarbonate and acrylonitrile-butadiene-styrene copolymer, combines PC's mechanical property and ABS's molding property, Excellent combination properties, High impact strength, Good chemical stability and electrical properties.	High toughness, Good processing properties.	Communication products, Audio & video products , E/ E parts
		2001B		High toughness at low temperature, High UV resistance properties.	
	2002（+）Flame Retardant PC/ABS	2002A	Environmental bromine antimony flame retardant system , High flame retardance(1.5mm, UL94-V0,2.0mm,5VA).	Good processing property and excellent mechanical property.	Thin wall products
		2002B		High toughness at low and room temperature, Excellent combination properties.	Communication products, Shells of controller
	7001（+）Flame Retardant ABS	7001A	Environmental bromine antimony flame retardant system , High flame retardance (1.5mm, UL94-V0).	Excellent processing property, Good anti-yellowing property.	Shell of household appliance, Office supplies
		7001F2C	Environmental bromine antimony flame retardant system , High flame retardance.	High gloss,High flowability	

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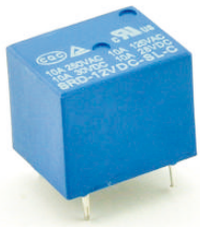

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Series	Varieties	Grades	Characteristic		Applications
POBUX®	3001G（+）Flame Retardant PBT	3001AG30	Environmental bromine antimony flame retardant system . High dielectric property.	30% glass fiber reinforced.Good flame retardance(1.5mm , UL94-V0) , High mechanical strength, High rigidity, high heat resistance, Good dimensional stability.	Energy-saving lamp holder, Tuner shell, Socket, relay shell, Transformer roll, Rectifier, etc.
	3001EPG（+）Halogen-free Flame Retardant PBT	3001EPG15	Environmental halogen-free flame retardant system.	Glass fiber reinforced,Good dimensional stability , High mechanical strength , Low density, Flame retardance (0.75mm, UL94-V0), High dielectric property.	Connector, Cooling fan, etc.
		3001EPG30		High heat resistance, flame retardants without released.	

Series	Varieties	Grades	Characteristic		Applications
PONYL®	4001G（+）Glass Fiber Reinforced PA6/66	4001G15	Glass fiber reinforced filled grade	15%-40% Glass fiber reinforced filled,High mechanical strength , Good dimensional stability, Superior heat resistance.	Structural parts, Shells of power tools,etc.
		4001G30			
		4001G40			
	4002G（+）Flame Retardant PA6/66	4002G0	Environmental bromine antimony flame retardant system, high flame retardance (0.75mm,UL94-V0). GWIT:850/1.5mm、GWFI:960/1.5mm	High mechanical strength, high heat resistance , Good dimensional stability.	Switch, Coil frame, etc.
		4002G30		30% glass fiber filled, High strength, High rigidity, Good heat resistance.	
	4002EPG（+）Halogen-free Flame Retardant PA66/6	4002EPG0	Environmental halogen-free flame retardant system, high flame retardance (0.75mm,UL94-V0). GWIT:775/1.5mm、GWFI:960/1.5mm	0%-30% glass fiber filled, High strength, High rigidity, Good heat resistance.	Connector, terminal, home appliance shells, etc.
		4002EPG15			
		4002EPG30			
	4000MC（+）Halogen-free Flame Retardant PA66/6	4000MC（+）	Nitrogen flame retardant system.	High mechanical strength, High toughness, Low-smoke and halogen free, Excellent electrical properties, Good Flame retardance Performance.	Switch, Coil frame, Hardware fitting, Fastener, Connection, etc.
	4000RMP50 MCA Flame Retardant Master batches	4000RMP50	Nitrogen flame retardant system.	PA6 as Carrier, low dosage, Easy processing, No corrosion to processing equipment. Super cost-effective.	Applied in PA6/66 for injection and extrusion parts.

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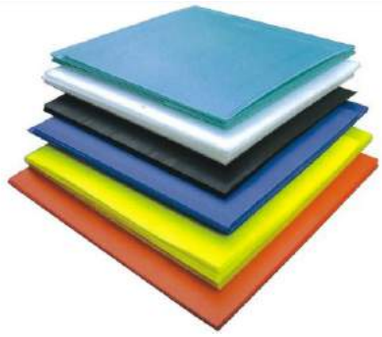

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Series	Varieties	Grades	Characteristic		Applications
FILLMA®	5002CF（+）Filled PP	5002CF（+）A	10%-30% filler. 5002CF（+）A：High rigidity; 5002CF（+）B：Rigidity & toughness balanced ; 5002CF（+）C：High toughness	French chalk filled, High rigidity, Low shrinkage rate, High heat resistance.	Household appliance
		5002CF（+）B		Sulfate barium filled, High gloss, High heat resistance.	Household appliance
		5002CF（+）C		Calcium carbonate filled, No odor, super cost-effective.	Household appliance , Office supplies
	5002G（+）Glass Fiber Reinforced PP	5002G（+）	10%-50% Glass Fiber filled	Low density,High rigidity, High heat resistance.	Household appliance,sports equipment
		5002LFG（+）	Long Glass Fiber Reinforced , 10%-50% filled	Low density,low warping,excellent mechanical performance, High rigidity, High heat resistant	Automotive parts,sports equipment,household appliance
REMAT®	5003RM（+）Flame Retardant PP Master batches	5003RM5N	Environmental halogen free flame retardant system, flame retardance can reach UL94-V2 with the mixture proportion of PP based compounds and 5003RM5N:5:1.	Easy processing, finished products can reach the halogen free standard, cost-effective.	General purpose halogen free flame retardant master batches, applied with PP for injection and extrusion parts.
		5003RM9ST	Environmental low halogen flame retardant system, flame retardance can reach UL94-V2 with the mixture proportion of PP based compounds and 5003RM9ST:9:1.	Easy processing, low content halogen of finished products, cost-effective, meet the extrusion requirements of polypropylene hollow sheet.	Flame Retardant mater batches for polypropylene hollow sheet, also can be used for other injection and extrusion parts.
		5003RMP4S	Environmental Low Halogen Flame Retardant System, base on 4% addition with homopolymerization PP, flame retardance can reach UL94-V2.	Low dosage, easy processing, low content halogen of finished products, super cost-effective.	General purpose low halogen flame retardant master batches,applied with PP for injection and extrusion parts.

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Series	Varieties	Grades	Characteristic		Applications
SAMAT	5000 (+) Halogen-free Flame Retardant PP(V0)	5000Y/ 5000A	Phosphorus and nitrogen flame retardant system. Flame retardance (1.5mm and 3.0mm, UL94 - V0) , pass GWIT:775/3.0mm,GWFI:850/3.0mm. Low smoke low density and high flame retardant performance.	High rigidity, High heat resistance.	The Electronic Components, Switch Panel, Shells of Household Appliances ,New energy battery industry , etc.
		5000/ 5000B		Low shrinkage rate,high modulus	
		5000AC		Rigidity & toughness balanced.	
		5000C/ 5000R		High toughness, low temperature resistance.	
		5000G		Glass fiber filled flame retardant PP,low warpage,high rigidity.	
	EP5001 (+) (f1) Halogen-free Flame Retardant PP(V0)	EP5001(f1)		Excellent UV resistance and aging resistance, Applied in outdoors parts, RTI:120°C; High rigidity, High heat resistance.	Home appliances shell, heating fan products, coil frame, electrical appliances,control shell, etc.
		5000(f1)			
	5003 (+) Flame Retardant PP	5003N (+) / 5003S (+)	low halogen Phosphorus ,nitrogen flame retardant system, Flame retardance (1.5mm and 3.0mm,UL94-V2), Pass GWFI:850/3.0mm.	Low density, Low smoke,high flame retardant performance, super cost-effective,etc. Some grades can meet the requirements of halogen free.	Widely used in injection molding and extrusion products, such as shells of household appliances, switch panel, lamp holder, coil frame,toilet lid, sheet, tube,etc.
		5003 (+) (f1)	Environmental flame retardant system, Flame retardance (1.5mm and 3.0mm,UL94-V2), Pass GWFI:850/3.0mm. Anti-UV pass f1 (UL746C) .	Low density, Low smoke,high flame retardant performance,good weather resistance,etc.	
		5003PY	Phosphorus, nitrogen and bromine flame retardant system. Flame retardance (1.5mm and 3.0mm, UL94-V2) , Pass GWIT:875/3.0mm.	Low density, low smoke, high ignition temperature of hot wire.	
		5003F (+)	Environment bromine antimony flame retardant system, Flame retardance UL94-V2, Pass GWFI:850/3.0mm.	Low density,high flame retardant performance, stable processability,etc.	
		5003G (+) (f1)	Environment bromine antimony flame retardant system, Flame retardance UL94-V2.	Low density,high flame retardant performance, stable processability,good chemical resistance,excellent heat aging performance,etc.	The decorative lights and electrical appliance shells
	5508(f1) Flame Retardant PP	5508(f1)	Environmental bromine antimony flame retardant system, High flame retardance(UL94-V0, UL1694SC-0).	Dropping without burning cotton. Good flame retardant performance,low density, good processing flowability,Good chemical resistance,etc.	The decorative lights

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Series	Varieties	Grades	Characteristic		Applications
SAMAT	168 (+) Flame Retardant PP	168 (+) (f1)	Environment bromine antimony flame retardant system, High flame retardance (UL94-V0), GWFI:850/3.0mm.	Dropping type, excellent UV resistance and Heat aging resistance properties; Applied in outdoors parts. RTI:120℃, Good fluidity, Good chemical resistance, High rigidity, High heat resistance.	The X'mas decorative lights, Coil frame and electronic products.
		168M (f1)	Environment bromine antimony flame retardant system, High flame retardance (UL94-V0), pass GWFI:850/3.0mm.	Dropping type, Good antibacterial effect, Anti-UV grade f1(UL746C). Low density, high gloss, good chemical resistance, without flame retardants released.	Toilet lid
		168D4	Environment bromine antimony flame retardant system, High Flame retardance (UL94-V0), extrusion grade.	Dropping without burning cotton. Good extrusion performance, easy processing,good toughness, can withstand 136℃ X 360h high temperature aging test,etc.	Automotive corrugated pipe
		168A	Environment bromine antimony flame retardant system, High Flame retardance (UL94-V0), pass GWFI:850/3.0mm .	Dropping type,low density, good chemical resistance, high rigidity,good heat resistance.	Coil frame
	666 (+) Flame Retardant PP	666-4T (+)	Environment bromine antimony flame retardant system, High flame retardance (UL94-V0, 5VA).	Non-dropping type, Low shrinkage, excellent molding property, short flaming time.	Fan heater shells, Coil frame, Electronic shells & extrusion parts, etc.
		666-3T (+)	Environment bromine antimony flame retardant system, High flame retardance (UL94-V0).	Non-dropping type, Low shrinkage, high toughness.	New energy battery shell

Series	Varieties	Grades	Characteristic		Applications
POPTREE®	6001 (+) Flame Retardant PE	6001	Environment bromine antimony flame retardant system, High flame retardance(UL94-V2).	Low density, Good fluidity, Easy molding, Little corrosion to moulds, It can be recycled many times.	Electronic products/Christmas tree simulation pine branch.
	6001RM10 Flame Retardant PE Master batches	6001RM10	Environment bromine antimony flame retardant system, base on 1 : 10 addition with LDPE, the flame retardance can reach UL94-V2.	Low dosage, High flame retardance, No dust pollution. Super cost-effective.	Suitable for LDPE/HDPE/LLDPE/MDPE,etc.

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Series	Varietes	Grades	Characteristic		Applications
POFEX®	Halogen-free Flame Retardant TPE	8200EP（+）V	Phosphorus-nitrogen flame retardant system, halogen-free environmental, without antimony, bromide and red phosphorus. Flame retardant grade: UL1581 VW-1	Temperature resistance 80℃-105℃, matte or semi-matte surface, hardness: 75-95A, anti-UV.	Data Cable Jacket
		8200EP（+）F	Environmental Halogen-free Flame Retardant System, without antimony, bromide and red phosphorus. Flame retardant grade: UL1581 FT-2	Temperature resistance 80℃-105℃,matte or semi-matte surface, hardness: 70-95A, anti-UV.	Data Cable Jacket
		8200EP（+）M	Phosphorus-nitrogen flame retardant system, halogen-free environmental, without antimony, bromide and red phosphorus. Flame retardant grade: UL94	Temperature resistance 80 ℃,hardness: 75-95A, high fluidity, anti-UV.	Plug /Connector / S/R Molding
	Halogen-free TPE	8200E（+）W	Halogen-free environmental material, High elasticity, smooth & unsticky.	Temperature resistance 80℃,matte or semi-matte surface, hardness: 65-95A, anti-UV.	Earphone Cable
	Thermoplastic Low Smoke Halogen-free Wire and Cable Material	EP8400S90F-H3	90℃ Low Smoke Halogen-free Flame Retardant Polyolefin Jacket Material	General applicability, and meet the large cable requirements of type C bunched cable burning.	Power Cable
		EP8400S90F-H5	90℃ Low Smoke Halogen-free Flame Retardant Polyolefin Jacket Material	Network cable jacket material, meet the requirements of single cable vertical burning and type C bunched cable burning.	Network Cable
		EP8400S90F-J3-1	90℃ Low Smoke Halogen-free Flame Retardant Polyolefin Insulation Material	Core wire insulation material, good flame retardant performance, meet the requirements of single cable vertical burning and type C bunched cable burning.	Power cable, Home decoration cable
		EP8400S90A-3	Low Smoke Halogen-free Flame Retardant Polyolefin	High flame retardant performance, meet the requirements of type A and type B bunched cable burning.	Power cable, Home decoration cable

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Series	Varietes	Grades	Characteristic		Applications
POFEX®	Irradition Crosslinked Low Smoke Halogen-free Flame Retardant Polyolefin Wire and Cable Material	EP8400X105F-W	105℃	Meet the requirements of IEC 60332 single cable vertical burning.	Electronic Wire
		EP8400X125F-W	125℃	Meet the flame retardant requirements of UL1581 FT-2.	
		EP8400X150F-W1	150℃	Meet the flame retardant requirements of UL1581 FT-2.	
	Halogen-free Flame Retardant Jacket Material for Optical Cable	EP8400S90F-J4	Halogen-free Jacket Material for Optical Cable	General applicability,meet the requirements of general optical cable jacket.	Optical Cable
		EP8400S90F-J6	Halogen-free Flame Retardant Jacket Material for Optical Cable	Good scratch resistance and flame retardant performance, meet the requirements of single cable vertical burning.	
		EP8400S90F-J7		General applicability,good flame retardant performance, meet the requirements of single cable vertical burning.Specical use for 5G.	
		EP8400S90F-J1		High hardness, low shrinkage,meet the requirements of single cable vertical burning.	

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