KINGFA

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KINGFA x VANTEQUE

Product Guide Manual

ABOUT WANTONG PECIAL PLASTIC

Company Attributes

Zhuhai Vanteque Specialty Engineering Plastics Co., Ltd. is a subsidiary of Kingfa Science & Technology Co., Ltd. We are dedicated to the research, development, production, sales, and service of specialty engineering plastics, offering innovative material solutions to create a safer, more comfortable, and convenient human life. We strive to continuously improve the human living environment and create a better life.







Zhuhai Vanteque Specialty Engineering Plastics Co., Ltd. is committed to becoming a global leader in the field of specialty engineering plastics, providing customers with competitive products and strong technical support

Industry Status

Zhuhai Vanteque Specialty Engineering Plastics Co., Ltd. is the largest provider of specialty engineering plastics solutions in China, with the most extensive variety and the largest industrial scale. Located in the beautiful economic zone of Zhuhai, China, we possess a complete industrial chain from resin polymerization to blending modification, with an annual production capacity of 35,000 tons. Our products are mainly developed through independent innovation, covering Semi-Aromatic Polyamide (PPA), Liquid Crystalline Polymers (LCP), Polyphenylene sulfone resins (PPSU), and Polyether Ether Ketone (PEEK). The materials of Zhuhai Vanteque Specialty Engineering Plastics are highly recognized by many global Fortune 500 companies for their excellent environ-mental friendliness and outstanding performance.

Production Environment









blending and modification workshop

COMPANY STRENGTH

R&D Achievements

- Filed 237 invention patents and 30 PCT patents; Granted 131 invention patents, 10 PCT patents, and received 4 Excellent Patent Awards
- Awarded 4 provincial and ministerial-level Science and Technology Progress Awards
- Undertaken 4 key national R&D projects, including the863 Program
- Received the First Prize for Technological Invention from the China Petroleum and Chemical Industry Federation

R&D Capabilities

- Integrated resin polymerization and blending modification
- National-level Specialized, Refined, and Innovative Small Giant enterprise
- National-level Postdoctoral Research Station
- Guangdong Provincial Key Laboratory for Special Engineering Plastics
- Guangdong Provincial Engineering Technology Research Center for Special Engineering Plastics



Specialized and innovative 'little giant' enterprise, postdoctoral station & provincial key laboratory, 131 authorized patents/national science and technology awards, covering PPA/LCP/PPSU/PEEK, with a production capacity of 35000 tons, certified by IATF16949/UL, serving the Fortune Global 500

Brand strength

- IATF16949: 2016 Automotive Product Quality Management System Certification
- ISO9001: 2015 Quality Management System Certification
- IECQ QC080000: 2017 Hazardous Substance Process Management System Certification
- ISO 14001 Environmental Management System Certification
- ISO 45001 Occupational Health and Safety Management System ISO10012:2003 Measurement Management System Certification
- VDE, NSF, T V OK Bio based, CQC and other product certifications
- All series of flame retardant products have passed UL product certification in the United States

Company Product Introduction

High performance, multi characteristic polymer

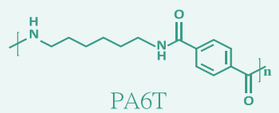
Semi aromatic polyamide, liquid crystal polymer, Polyphenylene sulfone resins, special nylon, PEEK, as well as laser direct molding materials and nano injection molding materials, all belong to the category of high-performance materials. Among them, semi aromatic polyamide and special nylon, as polyamides, have good mechanical properties and chemical stability; Liquid crystal polymers have unique liquid crystal properties and can exhibit ordered arrangement under specific conditions; Polyphenylene sulfone resins "and" PEEK "belong to the polyether class, with excellent thermal stability and mechanical properties. However, "laser direct molding materials" and "nano injection molding materials" focus on precision molding applications. The former can achieve precise processing with the help of lasers, while the latter meets high-precision injection molding needs with nanoscale characteristics. Together, they provide key material support for many high-end manufacturing fields.

- **High performance material matrix, opening a new chapter in high-end manufacturing**
- **Precision molding creates miracles, special materials reshape the future of the industry**

PPA

Structure

Definition of Semi-Aromatic Polyamide (PPA): A polyamide in which the molar percentage of terephthalic acid or isophthalic acid, or a combination of both, in the total dicarboxylic acid portion of the repeating structural units in the **molecular chain is not less than 55%** is termed as **PPA**.



PA6T



PA10T

Vicnyl® PPA roperties

Excellent heat resistance

The melting point ranges from 295 to 330C, offering outstanding heat resistance, suitable for SMT processes.

Extremely low water absorption

Excellent dimensional stability, strength, and rigidity retention after water absorption.

Excellent insulation properties

Halogen-free flame-retardant specification with CTI up to 1000V, providing extremely high electrical safety

Excellent resistance to reflow

MSL level 1, with series 7 capable of withstanding 280C without blistering in actual tests.

Excellent chemical resistance

Outstanding resistance to alcoholysis, lubricating oils, sulfuric acid corrosion, and electrolytes.

Excellent color stability

Excellent color stability after SMT processes.

Dielectric tunability

Naturally low dielectric properties, being the nylon variety with the lowest dielectric constant.

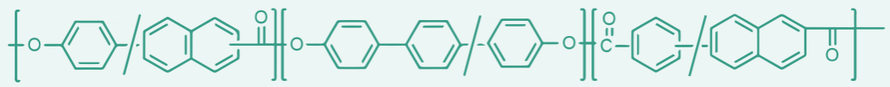
Vicnyl® PPA Typical Grades

Series	Type	Description
3	Reinforced	40~60%GF,HB@0.75mm,CTI>600V,NSF61 compatible
4	Reinforced	0~50%GF,HB @0.75mm,CTI>600V
	Halogenated Flame Retardant	15~50%GF,Brominated Flame Retardant,V-0@0.75mm,CTI>400V
	Halogen-Free Flame Retardant	15~50%GF, Halogen-Free and Red Phosphorus-Free Flame Retardant,V-0@0.25mm,CTI=1000V
5	Reinforced	15~65%GF,HB@0.75mm,CTI>600V, High Strength
		15~65%GF,HB @0.75mm,CTI>600V, Good Surface
6	Reinforced	0~50%GF,HB @0.75mm,CTI>600V,NSF61 compatible
	Halogenated Flame Retardant	15~50%GF, Brominated Flame Retardant,V-0@0.75mm,CTI>400V
	Halogen-Free Flame Retardant	15~50%GF, Halogen-Free and Red Phosphorus-Free Flame Retardant,V-0@0.2mm,CTI=1000V
7	Reinforced	20~40%GF, High Heat Resistance,Low Water Absorption
	Halogenated Flame Retardant	15~50%GF, Brominated Flame Retardant,V-0@0.75mm,CTI>400V
	Halogen-Free Flame Retardant	15~50%GF,Halogen-Free and Red Phosphorus-Free Flame Retardant,V-0@3.0mm,CTI=1000V,High Flow,Low Warpage
		15~50%GF,alogen-Free and Red Phosphorus-Free Flame Retardant,V-0@0.25mm,CTI=1000V
L	General Use	LED Bracket Specific,40% Mineral Filled, High Heat Resistance,High Dimensional Stability,Good Appearance
	High Strength Type	LED Bracket Specific,40%Mineral Filled, High Strength,High Heat Resistance,High Dimensional Stability,Good Appearance
	High Brightness Type	LED Bracket Specific,40% Mineral Filled, High Brightness,High Heat Resistance,Higl Dimensional Stability,Good Appearance

LCP

Structure

The molecular chain structure is generally aromatic or semi-aromatic polyester, which exhibiting liquid crystal property above the melting point



Vicryst® LCP Properties

outstanding Heat Resistance

Melting point can reach up to 420; the maximum heat deflection temperature of the resin is up to 350; suitable for various high-temperature processes and application conditions.

Outstanding High-Frequency Dielectric Performance

Df is the lowest among special engineering plastics; it exhibits stable dielectric constant and dielectric loss at high frequencies, resulting in minimal signal loss during high-frequency communication.

Excellent Molding Performance

Good flowability, suitable for thin-wall injection molding; fast molding cooling speed, less prone to burrs in injection molding.

High Dimensional Stability

Low shrinkage rate and low coefficient of thermal expansion, suitable for products requiring high dimensional stability.

Excellent Solvent Resistance

The highly crystalline surface layer provides excellent resistance to organic solvents.

Excellent Self Flame Retardancy

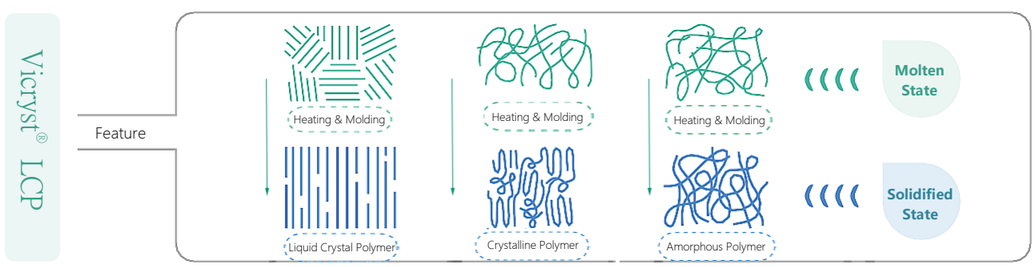
0.1mm@V-0 flame retardancy, the entire series has obtained UL yellow cards.

Excellent Damping Performance

Compared to engineering plastics such as PPS, PBT, and PPA, it offers superior shock absorption effects.

Vicryst® LCP Typical Grades

Series	Type	Description
R8ST Series	Ultra high heat resistance	15~45%GF,HDT>310℃,HDT up to 350℃
High heat resistance	High Strength	30~40%GF,HDT>310℃,V-0@0.1mm
R83 High heat resistance	High Strength	30~40%GF,HDT>330℃,V-0@0.1mm
	Dimensional &Flow Improvement	30~50%GF/MD,V-0@0.1mm
R8 Universal Series	High Strength	15~40%GF,V-0@0.1mm
	Dimensional Improvement	30~50%GF/MD,V-0@0.1mm, Low Warpage
	High Flowability	30~40%GF/MD,V-0@0.1mm, High Flowability
R85 Universal Series	High Strength	15~40%GF,V-0@0.1mm
	Dimensional Improvement	30~50%GF/MD,V-0@0.1mm,Low Warpage
R84 High Strength	-	15~50%GF， High Strength,Low Warpage
R80 High Strength	Ultra high strength	15~40%GF,HDT>230℃,V-0@0.1mm
	Wear-Resistan	R8030F
Dielectric Control	-	15~50%GF/MD,Dk:2.5~10,Df:0.0008
Conductive/Anti-Static	-	R85 EC/ES

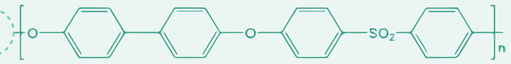


Polyphenylene sulfone resins

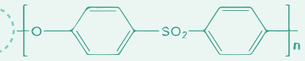
Structure

Polyarylsulfone is a thermoplastic resin with a molecular backbone containing sulfone groups,ether bonds,and aromatic rings.There are three types:ordinary bisphenol A-based polysulfone (PSU),polyethersulfone(PES), and polyphenylsulfone(PPSU).

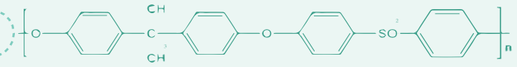
Visulfon® B: PPSU



Visulfon® C: PES



Visulfon® A: PSU



Visulfon® Properties

Polyarylether sulfone

Glass transition temperature: 188–225 °C; long-term service temperature (RTI) exceeds 160 °C.

Excellent chemical resistance

No obvious dimensional & property change in most acids, alkalis and alcohols.

Excellent hydrolysis stability

Long-term mechanical property retention exceeds 95% in high-temperature water.

Excellent high-pressure steam resistance

Under superheated steam at 140 °C, the tensile strength and elongation at break of PPSU show no remarkable change after 2000 thermal cycles.

Excellent dimensional stability

It features low water absorption, its molding shrinkage is merely 0.6%, which ensures favorable dimensional stability.

Excellent Flame retardancy

Visulfon B/C, without adding any flame retardant, can achieve 0.7mm@V-0 flame retardancy.

Excellent biocompatibility

Passed ISO10993, GB/T16886, and other tests.

Non-reinforced transparency

Amorphous polymer, and the resin appears transparent light amber.

Visulfon® Typical Grades

Series	Type	Application Area
PPSU	B001	Food contact
	B002	Water contact
	B003M	Medical
PPSU/PSU	K002	Water contact
PES	C002P/C003P/C002PR/C003PR	Coating
	CO03PM	Separation membrane
	C002	Food contact
	C202/C302	Electrical and electronic
PSU	A002	Medical
	A003M	Separation membrane

Special Nylons

Intro.

Special nylons mainly include long carbon chain nylon, transparent nylon, etc. Long carbon chain nylon (LCPA): nylon materials with amide groups in the repeating units of the nylon molecular main chain, and the methylene length between two amide groups is greater than 10. Transparent nylon, with a light transmittance generally above 90%, is a nylon material with high barrier properties and excellent resistance to steam cookng. Due to its outstanding transparency, excellent toughness, high thermal stability, and good solvent resistance, it is widely used in fields such as optics, automotive, electronic equipment, household items, and the medical industry.

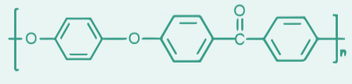
Vicnyl® Typical Grades

Series	Type	Description
Long carbon chain nylon (LCPA)	21 series	Long carbon chain,100%bio-based,low water absorption,high flowability, good surface
	23 series	Long carbon chain,60%bio-based,cost-effective
	26 series	Long carbon chain,50%bio-based,low water absorption,high melt strength, alternative to PA12
	27 series	Long carbon chain,50%bio-based,extrusion molding,alternative to PA12
	28 series	Long carbon chain,excellent comprehensive performance
Special Ny	25 series	15~65%GF/CF,plastic replace steel,NSF/WARS/ACS/KTW certified
Transparent Nylon	22 series	Transparent nylon,dimensionally stable,fatigue resistant,transparent (slightly yellow)
PAMXD6	24 series	MXD6,高模量，高玻纤含量，尺寸稳定，良表面 MXD6,high modulus,high glass fiber content,dimensionally stable, good surface

PEEK

Structure

Polyether ether ketone (PEEK) is a polymer composed of repeating units that contain one ketone bond and two ether bonds in the main chain structure



Vispeek® characteristic

Outstanding heat resistance

Melting point reaches 343, with a long-term service temperature (RTI) up to 260

Excellent wear resistance

Possesses self-lubricating and high wear-resistant properties

Superior chemical resistance

Shows no significant change in most acids, alkalis, and alcohols

Excellent hydrolysis stability

Long-term performance in high-temperature water boiling shows no significant decline

Excellent dimensional stability

Extremely low water absorption rate, ensuring good dimensional stability

Superior flame-retardant performance

Achieves 1.5mm@V-0 flame retardancy without any added flame retardants, producing less smoke and low toxicity

Vispeek Typical Grades

Series	Type	Description
Non-Reinforced	9001AP	9001AP Low viscosity,ultra-fine powder,0.75~3.0mm UL94V-0,for powder coating
	9002P	9002P Medium viscosity,powder,0.75~3.0mm UL94 V-0,for extrusion or compression molding
	9003P	9003P General viscosity,powder,0.75-3.0mm UL94V-0,for extrusion or compression molding
	9002G	9002G Medium viscosity,granules,0.75~3.0mm UL94V-0,for extrusion or injection molding
	9003G	9003G General viscosity,granules,0.75-3.0mm UL94V-0,for extrusion or injection molding
Glass Fiber Reinforced	GR9103	GR910310%glass fiber reinforced,0.5~3.0mm UL94 V-0,for injection molding
	GR9303	GR930330%glass fiber reinforced,0.5-3.0mm UL94V-0,forinjection molding
Carbon Fiber Reinforced	CF9202	CF9202 20%carbon fiber reinforced,0.5~3.0mm UL94V-0,for injection molding
	CF9303	CF9303 30%carbon fiber reinforced,0.5-3.0mm UL94 V-0,for injection molding
Functional Materials	FG9303	FG930310%carbon fiber+10%graphite+10%PTFE co-reinforced
	9003E3	9003E3 Antistatic,for injection or extrusion molding

Laser Direct Structuring Material

Intro.

Laser Direct Structuring (LDS), is a method that uses lasers to process ultra-fine circuits on a resin substrate.

Vismid SOL Typical Grades

Series	Type	Description
PPA	6360LDS	30%GF Reinforced:High strength,extremely low water absorption,highdimensional stability,high heat resistance,suitable for lead-free reflow soldering SMT process
	65250LDS	35%GF/Mineral:Extremely low water absorption,low warpage,high dimensional stability,high heat resistance,suitable for lead-free reflow soldering SMT process
	6954LDS	Thermal Conductive:Extremely low water absorption,low warpage,high dimensional stability,high heat resistance
LCP	8365LDS	30%GF Reinforced:High heat resistance,high flowability,high dimensional stability, suitable for thin-wallrapid molding and lead-free reflow soldering SMT process
	8485LDS	40%Mineral Reinforced:High heat resistance,high flowability,low warpage,high dimensional stability,suitable for thin-wall rapid molding and lead-free reflow soldering SMT process

Nano injection molding materials

Intro.

Nano Molding Technology is a new technique that directly injects plastic onto the metal surface through in-mold injection,forming a strong bond. This technology can replace traditional processes such as bonding, in-mold decoration,and metal riveting, aiming to achieve lighter and thinner products. The materials suitable for Nano Molding are referred to as Nano molding materials.

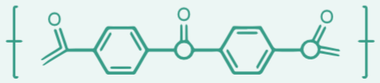
Visplim Typical Grades

Series	Type	Description
PPS	G120	20%glass fiber reinforced,with the highest bonding strength to metal,minimal color change before and after anodization
	G140	40%glass fiber reinforced,with the highest bonding strength to metal,minimal color change before and after anodization
PBT	G230	30%glass fiber reinforced,with good bonding strength to metal,minimal color change before and after anodization,weather-resistant
	G240	40%glass fiber reinforced,with good bonding strength to metal,minimal color change before and after anodization,weather-resistant

PEI

INTRODUCTION

Polyetherimide (PEI) is an amorphous high-performance polymer composed of repeating both aromatic imide groups and ether linkages in its main chain structure



PEI Characteristic

Outstanding heat resistance

Glass transition temperature (Tg) reaches 217C, with a long-term service temperature (RTI) up to 170C.

Inherent flame retardancy

Achieves UL94 V-0 rating (0.4mm) without any flaming retardant additives, with extremely low smoke evolution.

Excellent mechanical properties

Maintains exceptionally high strength, modulus, and creep resistance even at elevated temperatures.

Superior dielectric stability

Possesses stable dielectric constant and low dissipation factor over a wide range of frequencies and temperatures.

Good chemical resistance and Radiation resistance

Resistant to most hydrocarbons, alcohols, and dilute acids; exhibits excellent resistance to hot water and steam,

Excellent dimensional stability

Naturally low dielectric properties, being the nylon variety with the lowest dielectric constant.

Wave-transparency & Transparency

Excellent microwave transparency and possesses a natural amber transparent appearance.

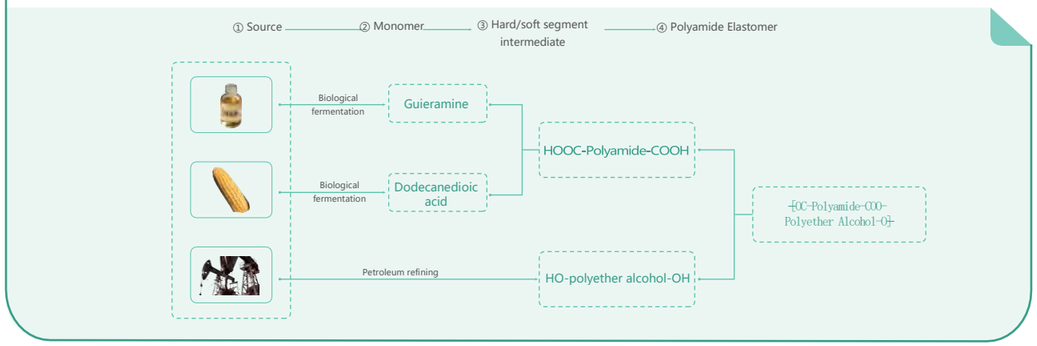
Visimide® Typical Grades

Series	Type	Description
Non-Reinforced	Visimide XL001	XL001 High flow,granules,UL94 V-0,for thin-wallor complex injection molding
	Visimide XL002	XL002 General purpose grade,granules,UL94 V-0,for injection or extrusion molding
Glass Fiber Reinforced	Visimide XLG102	XLG10210%glass fiber reinforced,UL94 V-0,balanced strength and toughness
	Visimide XLG202	XLG20220%glass fiber reinforced,UL94V-0,improved rigidity and heat resistance
	Visimide XLG302	XLG30230%glass fiber reinforced,UL94 V-0,high strength and dimensional stability
Carbon Fiber Reinforced	Visimide XLC102	XLC10210%carbon fiber reinforced,UL94 V-0,combining strength and conductivity
	Visimide XLC202	XLC20220%carbon fiber reinforced,UL94V-0,excellent moadulus and lightweight performance
	VisimideXLC302	XLC30230%carbon fiber reinforced,UL94 V-0,high mechanical strength,modulus and wear resistance
Functional Materials	VisimideXLCG302	XLCG302 GF&CF co-reinforced,excellent mechanical properties, for high-load structural parts
	Visimide XLGF452	XLGF452 GF &PTFE co-reinforced,low friction and high wear resistance,for self-lubricating bearings

Polyamide elastomer

Kingfa Technology has developed a poly(ether-b-amide) (PEBA) elastomer featuring a topologically structured long-chain polyamide as the hard segment and polyether polyol as the soft segment, with a bio-based carbon content of 1026%.

The raw materials for its synthesis are fully localized, eliminating supply chain vulnerabilities. The polymers' architecture is independently designed, ensuring full intellectual property rights with no infringement risks.



PEBA characteristic

High Resilience

The unique microstructure of PEBA delivers an exceptionally low energy loss factor (ELF) of approximately 0.2, making it ideal for industrial belts and silent gears.

Low Density

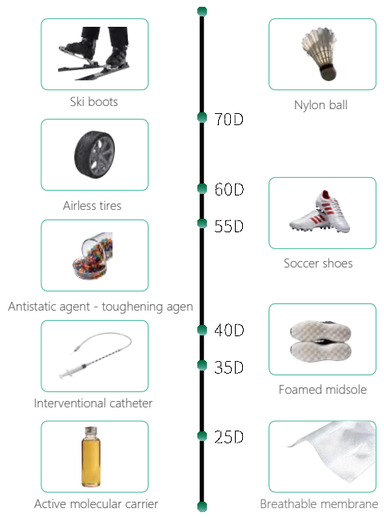
With a density of 1.02 g/cm, PEBA offers a 1020% reduction compared to TPU and 515% compared to TPEE.

Excellent Low-Temperature Performance

TPAE maintains outstanding flexibility and impact resistance even in harsh environments down to40C.

Wear-Resistant & Noise-Dampening

Delivering wear resistance comparable to neat polyamide, combined with superior sound absorption properties perfect for silent gears and vibration-damping components.





Thermal Management System

Material: Vicnyl® 5 Series

Features: High strength and high modulus, low water absorption, solvent resistance, aging resistance, thermal and cold shock resistance, high dimensional stability, excellent laser welding performance.

Material: Vicnyl® 53 Series

Features: High strength and high modulus, low water absorption, solvent resistance, aging resistance, high dimensional stability, suitable for high-demolding design.



Thermostat
Vicnyl® 53G35HS



Heat Insulation Jacket
Vicnyl® 530/540



Electric Oil Pump
Vicnyl® 530



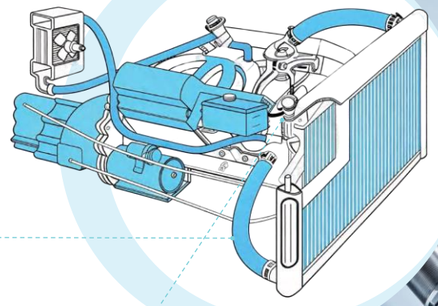
Coolant Line
Vicnyl® 2700ET



Solenoid Valve/TXV
Vicnyl® 530/540



E-WP Housing/E-WP Cover
Vicnyl® 540/535



Interior & Exterior Parts

Auto Electronics/Vehicle Lighting



Air Outlet Blade
Vicnyl® 25G60

Air Vent Frame
Vicnyl® 2200

Wiper Blade Frame
Vicnyl® 25G50

Connector Housing
Vicnyl® 5300HST2/5300HST

Controller Housing Bracket
Vicnyl® 2600

Center Armrest
Vicnyl® 52GW40HS

Window Regulator
Vicnyl® 550

Door Handle & Lock Mechanism
Vicnyl® 25G50

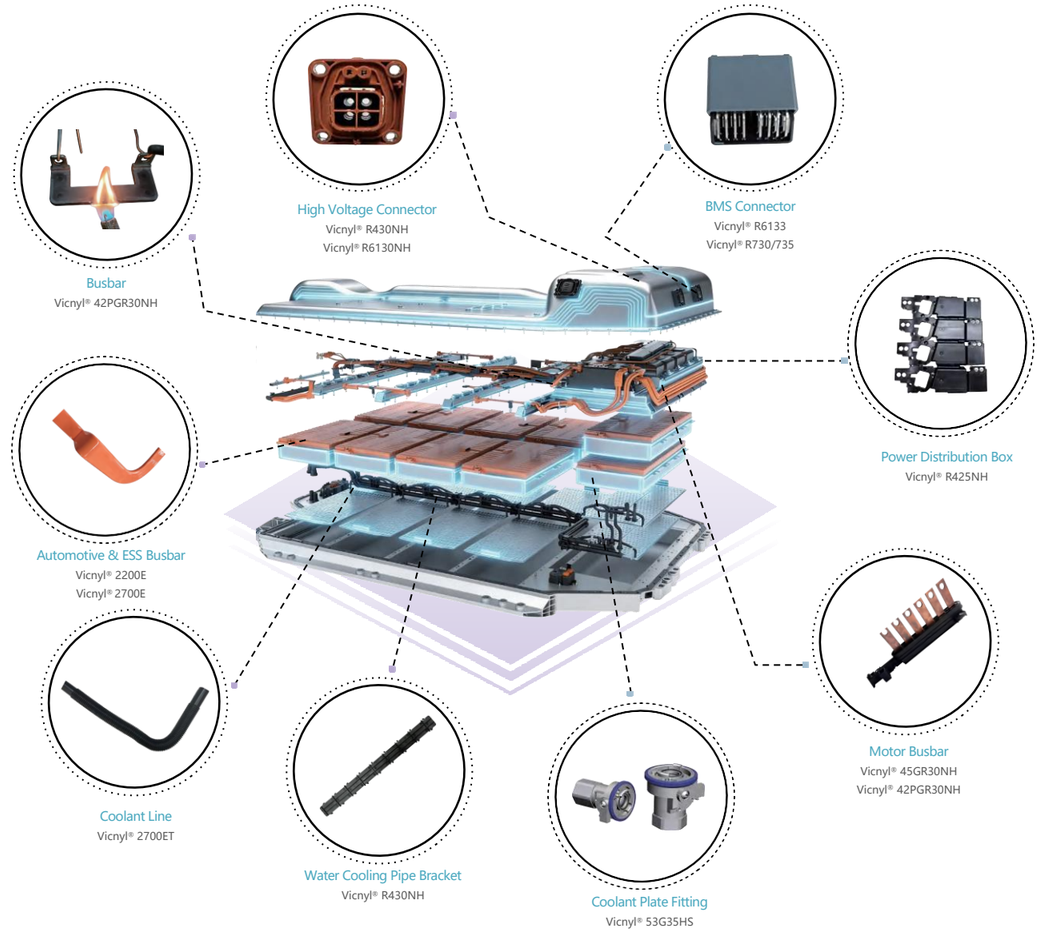
Lamp Connector
Vicnyl® 435

EPB Actuator
Vicnyl® 535

Sunroof Guide Rail
Vicnyl® 52GW50
Vicnyl® 25G50T2

Lamp Bracket & Fasteners
Vicnyl® 435
Vicnyl® 550

Battery Pack



High Voltage Connector
Vicnyl® R430NH
Vicnyl® R6130NH

BMS Connector
Vicnyl® R6133
Vicnyl® R730/735

Busbar
Vicnyl® 42PGR30NH

Power Distribution Box
Vicnyl® R425NH

Automotive & ESS Busbar
Vicnyl® 2200E
Vicnyl® 2700E

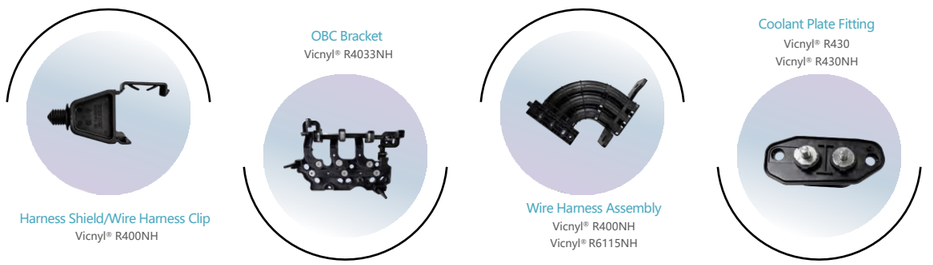
Motor Busbar
Vicnyl® 45GR30NH
Vicnyl® 42PGR30NH

Coolant Line
Vicnyl® 2700ET

Water Cooling Pipe Bracket
Vicnyl® R430NH

Coolant Plate Fitting
Vicnyl® 53G35HS

Battery Pack Exterior



Harness Shield/Wire Harness Clip
Vicnyl® R400NH

OBC Bracket
Vicnyl® R4033NH

Wire Harness Assembly
Vicnyl® R400NH
Vicnyl® R6115NH

Coolant Plate Fitting
Vicnyl® R430
Vicnyl® R430NH

Motor

Material: R61 Series

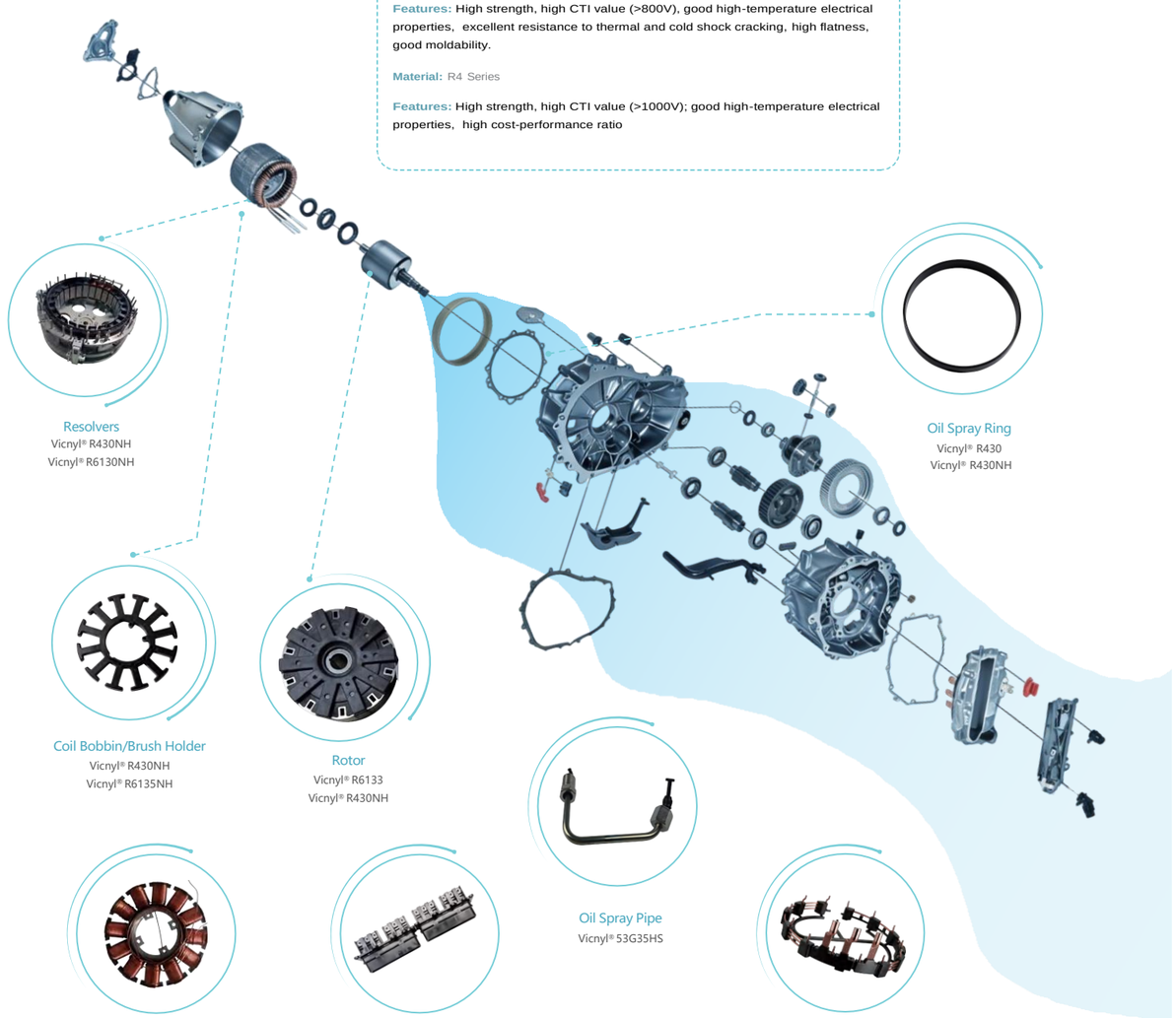
Features: Bio-based, high strength, high CTI value (>1000V); excellent high-temperature electrical properties; electrical safety under harsh environments; outstanding resistance to SMT processing.

Material: 45GR/42GR Series

Features: High strength, high CTI value (>800V), good high-temperature electrical properties, excellent resistance to thermal and cold shock cracking, high flatness, good moldability.

Material: R4 Series

Features: High strength, high CTI value (>1000V); good high-temperature electrical properties, high cost-performance ratio



Resolvers
Vicnyl® R430NH
Vicnyl® R6130NH

Coil Bobbin/Brush Holder
Vicnyl® R430NH
Vicnyl® R6135NH

Rotor
Vicnyl® R6133
Vicnyl® R430NH

Oil Spray Ring
Vicnyl® R430
Vicnyl® R430NH

Oil Spray Pipe
Vicnyl® 53G35HS

Stator
Vicnyl® 5335

Motor Busbar
Vicnyl® R430NH/Vicnyl® R6130NH
Vicnyl® 42GR30NH/45GR30NH

Motor Resolver
Vicnyl® 535

Electric Drive



Base Plate
Vicnyl® 45GR30NH



3-Phase Terminal
Vicnyl® 53G35HS



DHT Base
Vicnyl® R430NH
Vicnyl® R6130NH
Vicnyl® 42GR30NH/45GR30NH



Terminal Block
Vicnyl® R430NH
Vicnyl® 42GR30NH
Vicnyl® 45GR30NH

Busbar
Vicnyl® R430NH
Vicnyl® R6130NH

Relays & Connectors, etc.
Vicnyl® R6130NH/R6145NH



Magnetic Ring Housing
Vicnyl® R430NH
Vicnyl® R6130NH



IGBT Bracket & Cover Plate
Vicnyl® R6135NH
Vicnyl® 65GR50NHXF



Electronic industry application

WANTONG SPECIAL PLASTIC



- 天线材料

Consumer electronics

Phone connector



BtoBr

Vicryst® R8/R83 Series



Phone Jack Connector

Vicnyl® R60/R61 Series

Card Lot

Vieryst® R83 Series



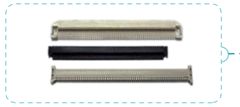
Battery Base

Vicnyl® R61 Series
Vicryst® R85 Series



Micro USB Connectorl

Vicnyl® R56/R61 Series



PPC Iconnector

Vicryst® R8/R83 Series
Vicnyl® R61/R7 Series



TYPE-C

Vicryst® R85 /84 Series
Vicnyl® R61/R7 Series

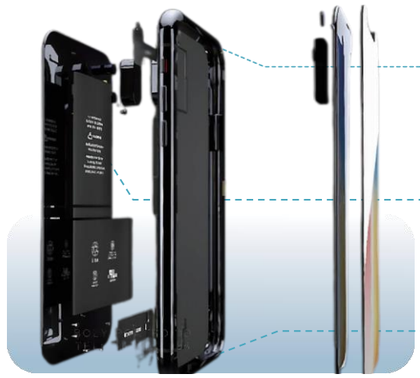


mobile phone frame,screen stand

Vicnyl® 2 Series



Mobile phone



Communication Antenna

Vismid 2102LDS
PC-LDS
Vismid 8385LDS
LCP-LDS

Functional Antenna

Vismid 2100LDS
PC-LDS

Speaker Antenna

Vismid 2340LDS
PG-GF20-LDS



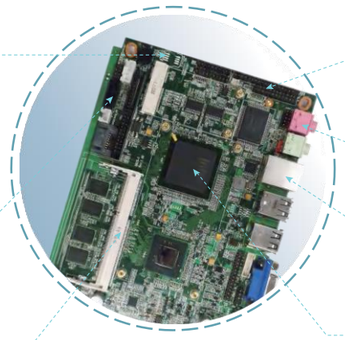
Smartphone Antenna

Computer connector



PCIE Connector

Vicryst® R8 Series
Vicnyl® 60/R70 Series





Pin And Socket Headers

Vicnyl® R61 Series
Vicryst® R85 Series



DC Jack

Vicnyl® R61 series



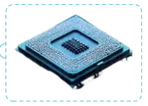
SATA Connector

Vicryst® R85 Series
Vicnyl® R61 Series



RJ45 connector

Vicnyl® R4 /R61 Series
Vicryst® R85 Series



CPU Socket

Vicryst® R85/R83 Series



DDR3、DDR4、DDR5 Connector

Vicryst® R8 Series
Vicnyl® R61/R70 Series

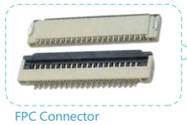
High Weld Line Strength

High Fluidity

Rigidity-Toughness Balance

Good SMT Compatibility





FPC Connector

Vicnyl® R61/R70 Series
Vicryst® R8/R85 Series



HDMI Connector

Vicnyl® R61 Series
Vicryst® R85 Series



JACK Connection

Vicnyl® R61/R60 series



USB Connection

Vicnyl® R61 Series
Vicryst® R85 Series



Laptop Computer Tablet Computer E-book Case Thin-Wall Components such As Structural Frames

Vicnyl® 65/45 series

Computer fan



Part:Ultra high speed fan frame and blades

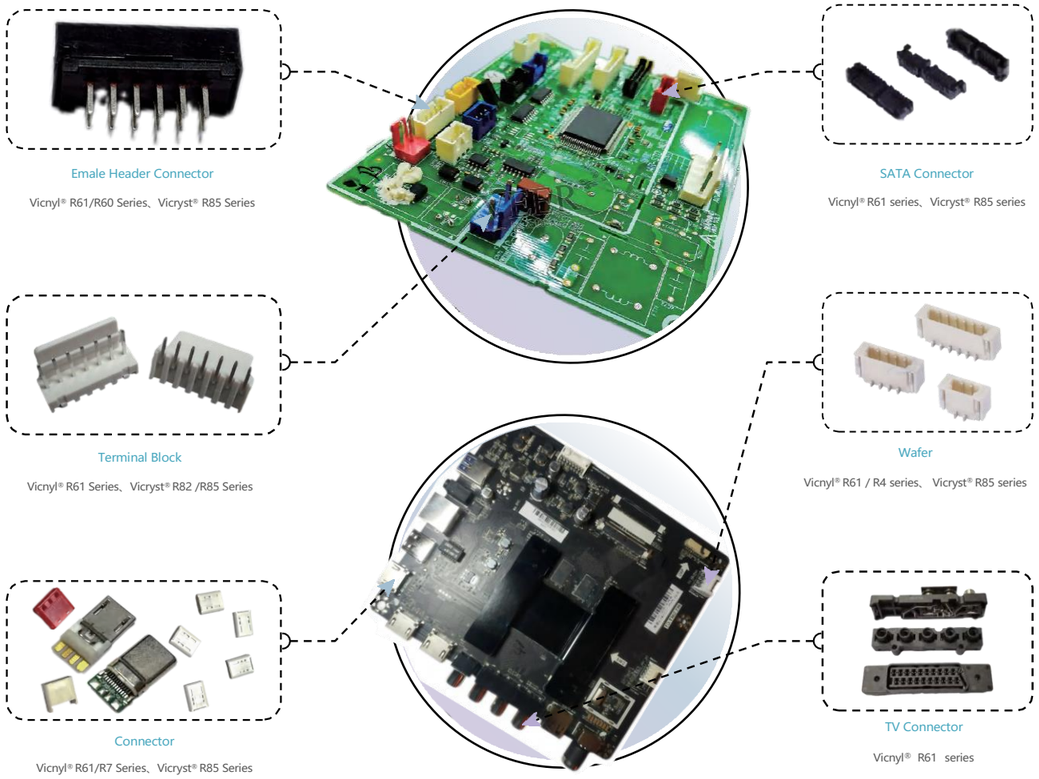
Material: Vicryst® R85 series

Features: High bonding strength, high strength and rigidity, moisture and heat resistance, low water absorption, high dimensional stability, and resistance to cold and hot impacts

Material: Vicnyl® R61 series
Features: High strength, high rigidity, low water absorption, high dimensional stability, excellent noise reduction effect

Material: Visimide XLC3 series
Features: High strength and rigidity, low water absorption, excellent chemical resistance, long-term high dimensional stability

Other IO connectors



Emale Header Connector

Vicnyl® R61/R60 Series、Vicryst® R85 Series

SATA Connector

Vicnyl® R61 series、Vicryst® R85 series

Terminal Block

Vicnyl® R61 Series、Vicryst® R82 /R85 Series

Wafer

Vicnyl® R61 / R4 series、Vicryst® R85 series

Connector

Vicnyl® R61/R7 Series、Vicryst® R85 Series

TV Connector

Vicnyl® R61 series

Smart wearable device casing



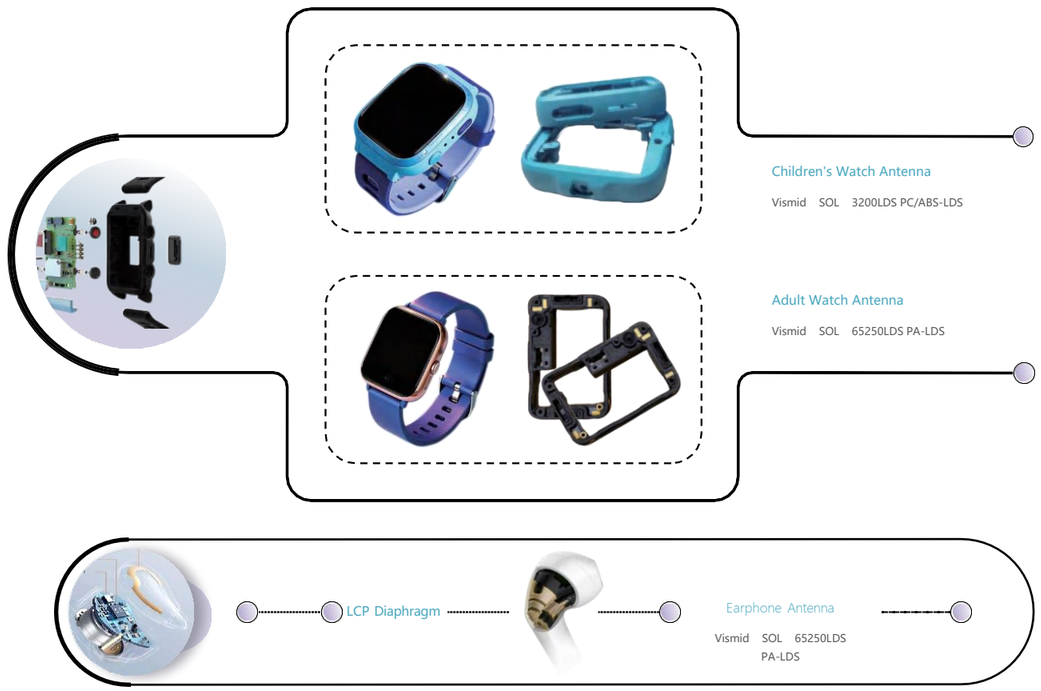
Smart Watch Transparent Window

Vicnyl® 2 series

Smart Watch Frame And BottomShell

Vicnyl® 2 series/4 series

Smart wearable device antenna



Children's Watch Antenna

Vismid SOL 3200LDS PC/ABS-LDS

Adult Watch Antenna

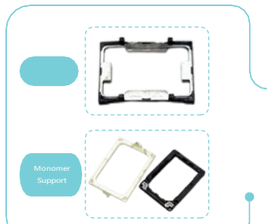
Vismid SOL 65250LDS PA-LDS

LCP Diaphragm

Earphone Antenna

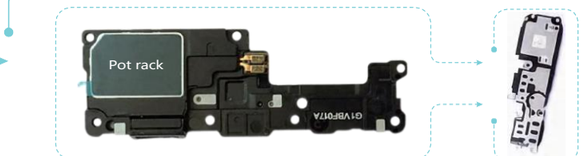
Vismid SOL 65250LDS PA-LDS

Electroacoustic materials



monomer material

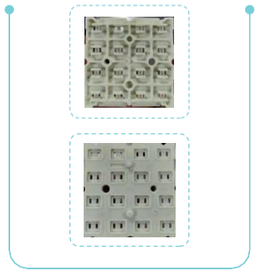
Vicnyl®4 Series 、Vicryst®R85 Series



carbon fiber reinforced material

Vicnyl®52Cseries high strength and high modules、Vicnyl62C series bio-base、

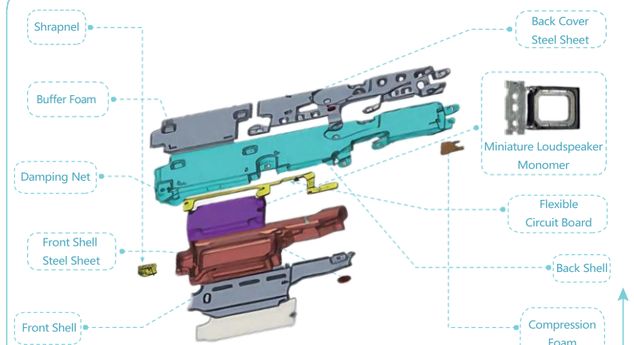
Vicnyl®23Cseries tbiobase+PCR



process tooling materials

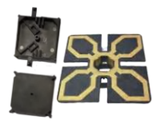
Vicnyl®56G Series

High Tg, high temperature resistance, high fluidity



OTHER INDUSTRIES

Antenna material



5G Antenna Array

Vismid 8385LDS LCP-LDS

Vismid 3485LDS LCP-LDS (low Df)



Medical Equipment Antenna

Vismid 8385LDS LCP-LDS



5G Antenna Array

Vicryst® 83 series LCP (high flow/low Df)

f)



Car Shark Fin Antenna

Vismid 3200LDS PC/ABS-LDS



LED Lighting Base

Vismid SOL 6525-LDS

PA10T-LDS (heat conduction)



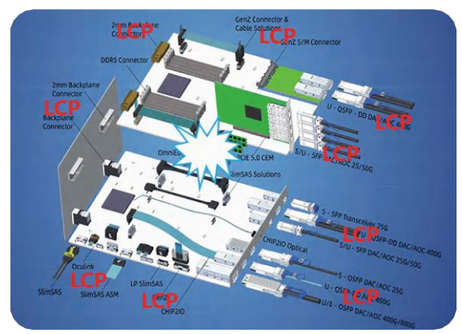
Car Shark Fin Antenna

Vismid 8385LDS LCP-LDS

COMMUNICATIONS INDUSTRY

High frequency communication server




LCP
LCP
LCP

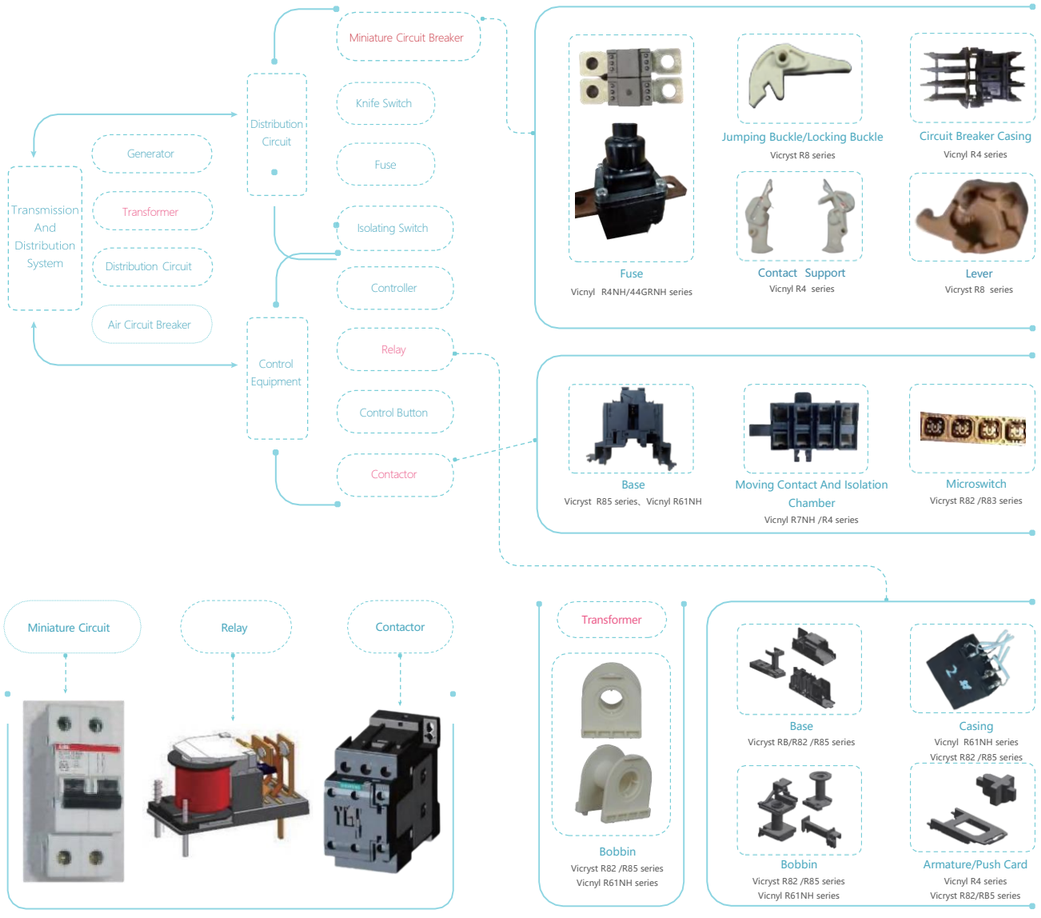
Application in the Electrical

WANTONG SPECIAL PLASTIC



Electronics Industry - Electrical Systems | Electronics Industry - Electrical Systems | Electronics Industry - Electrical Systems | Electronics Industry - Electrical Systems

Electrical system



Food and Plumbing Industry

WANTONG SPECIAL PLASTIC



Food Sector – WaterContact | Food Sector – WaterContact | Food Sector – WaterContact | Food Sector – WaterContact | Food Sector - WaterContact

Food sector



FriedChickenPlate
Visulfon C002

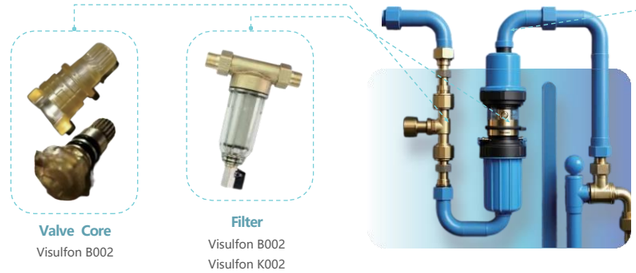
Supplementary Food Bowl
Visulfon B001
Visulfon C002

Baby Bottle
Visulfon B001

Children's Tableware
Visulfon B001
Visulfon C002

Juicer Lever
Visulfon B001
Visulfon B001
Visulfon B002

Water contact



Valve Core
Visulfon B002

Filter
Visulfon B002
Visulfon K002

Connector
Visulfon B002
Visulfon K002

Connector
Visulfon B002
Visulfon K002