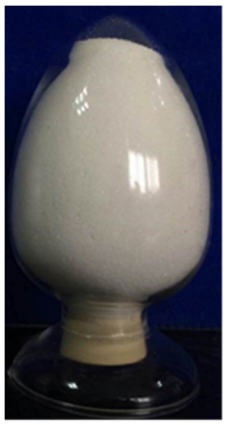
Cyanate Ester Resin Catalogue

No.	제품코드	제품명	CAS NO
1	BA01CM	Bisphenol A cyanate ester monomer	1156-51-0
2	BA01PS	Bisphenol A cyanate ester prepolymer solid	25722-66-1
3	BA01PL	Bisphenol A cyanate ester prepolymer solution	25722-66-1
4	DB03CS	Dicyclopentadienyl bisphenol cyanate ester solid	135507-71-0
5	DB03CL	Dicyclopentadienyl bisphenol cyanate ester solution	135507-71-0
6	N05CS100	Novolac cyanate ester solid	30944-92-4
7	N05CL400	Novolac cyanate ester solid	30944-92-4
8	N05CL	Novolac cyanate ester solution	30944-92-4
9	N05CL80	Novolac cyanate ester solution	30944-92-4
10	TBF06E	Tetramethyl bisphenol F cyanate ester	101657-77-6
11	TBF06P	Tetramethylbisphenol F cyanate Prepolymer	101657-77-6
12	BM07CE	Bisphenol M cyanate ester	127667-44-1
13	BM07CP	Bisphenol M cyanate Prepolymer	127667-44-1
14	BE09CE	Bisphenol E cyanate ester	47073-92-7

15	TCE1000	Toughened cyanate ester solution	N/A
16	MCPS110	Modified cyanate prepolymer solution	N/A
17	MCPS213	Modified cyanate prepolymer solution	N/A

Products Presentation



Product Name: Bisphenol A cyanate ester monomer

CAS NO.1156-51-0

Code: BA01CM

Features:

High purity, low melting point, cyanate monomer, It can be polymerized to different molecular weight prepolymers or oligomers according to different operation conditions & technologies. High purity monomer can meet requirements of higher demanding applications.

Applications:

Electronic circuitry, adhesives, encapsulants, aerospace, intelligent auto, composites, mechanism, etc.

Packaging and storage:

Powder at room temperature, 25kg/ unit.

Please store in a cool, ventilated, dry place and keep away from heat source.

18 months at room temperature(25℃), 24 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Mw：278.31	Appearance：white crystalline powder
M.P：80-82℃	Density：1.259（g/cm^3 25℃）
Purity：≥99%	Water content：≤0.1%
Dk（1MHz）：≤3.0	Df（1MHz）：≤0.004
Tg：≥260℃	Td：≥410℃

Products Presentation

Product Name: Bisphenol A cyanate ester prepolymer solid

CAS NO.25722-66-1

Code: BA01PS series

Features:

It is prepolymer and viscous solid at room temperature. According to different viscosity index corresponding to different material codes.

Applications:

Adhesives, encapsulants, aerospace, intelligent auto, composites, carbon-fibre, etc.

Packaging and storage:

20kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：light yellow semisolid, no obvious mechanical impurities

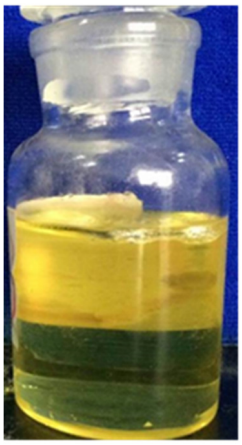
Non-volatile matter ：≥99.0%　　Viscosity（80℃or 90℃）：0-3000mPa.s

Gel time（200℃）：≥20min

Dk（1MHz）：≤3.0　　Df（1MHz）：≤0.004

Tg：≥260℃　　Td：≥410℃

Products Presentation



Product Name: Bisphenol A cyanate ester prepolymer solution

CAS NO.25722-66-1

Code: BA01PL

Features:

It is prepolymer and added 25% solvent to suitable for low viscosity process at room temperature. Normally the solvent is MEK. Other solvent can be used based on customer's requirements.

Applications:

It is professionally used in CCL, 100% neat product is suitable for adhesives, encapsulants, aerospace, intelligent auto, composites, mechanism, etc.

Packaging and storage:

Fluid at room temperature, 200kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

18 months at room temperature(25℃), 24 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：light yellow orange liquid

RC：75%（25%MEK）

Viscosity（25℃）：350-750mPa.s

Gel time（200℃）：≥20min

Dk（1MHz）：≤3.0

Df（1MHz）：≤0.004

Tg：≥260℃

Td：≥410℃

Products Presentation

Product Name: Dicyclopentadienylbisphenol cyanate ester solid

CAS NO.135507-71-0

Code： DB03CS

Features:

It is a multifunctional cyanate resin. Cured polymer resin is lower dielectric constant and moisture absorption while the aromatic character maintains a high Tg. It can promote faster signal transmission and allow for higher densities of transmission lines.

Applications:

Electronic circuitry, adhesives, encapsulants, aerospace, intelligent auto, composites, mechanism, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：dark brown semisolid	Non-volatile matter：≥98%
Viscosity（80℃）：≤2000mPa.s	Gel time（200℃）：≥20min
Dk（1MHz）：≤2.9	Df（1MHz）： ≤0.003
Tg：≥260℃	Td：≥430℃

Products Presentation

Product Name: Dicyclopentadienylbisphenol cyanate ester solution

CAS NO.135507-71-0

Code： DB03CL

Features:

It is a multifunctional cyanate resin. Cured polymer resin is lower dielectric constant and moisture absorption while the aromatic character maintains a high Tg. It can promote faster signal transmission and allow for higher densities of transmission lines. 100% neat product is available to suitable for different operation conditions & technologies. Product code is DB03CL.

Applications:

Electronic circuitry, adhesives, encapsulants, aerospace, intelligent auto, composites, mechanism, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：brown liquid	RC：75%（25%MEK）
Viscosity（25℃）：≤300mPa.s	Gel time（200℃）：≥20min
Dk（1MHz）：≤2.9	Df（1MHz）：≤0.003
Tg：≥260℃	Td：≥430℃

Products Presentation

Product Name： Novolac cyanate ester solid

CAS NO.30944-92-4

Code： N05CS100

Features:

It has the excellent properties such as higher thermal resistance, low flammability, high char yield requirements, etc. It possesses good process properties. Tg is around 400 ℃. Products containing solvents are available to suitable for different operation conditions & technologies.

Applications:

Public transport, aerospace, composites, electronic circuitry, adhesives, mechanism, high char yield material, mould, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：yellow to brown semisolid	Non-volatile matter：≥98%
Viscosity（80℃)： ≤250mPa.s	Gel time（200℃）：≥20min
Dk（1MHz）：≤3.2	Df（1MHz）：≤0.008
Tg：≥350℃	Td：≥420℃

Products Presentation

Product Name： Novolac cyanate ester solid

CAS NO.30944-92-4

Code： N05CL400

Features:

It has the excellent properties such as higher thermal resistance, low flammability, high char yield requirements, etc. It possesses good process properties. Tg is around 400 ℃. Products containing solvents are available to suitable for different operation conditions & technologies.

Applications:

Public transport, aerospace, composites, electronic circuitry, adhesives, mechanism, high char yield material, mould, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：yellow to brown semisolid	Non-volatile matter：≥98%
Viscosity（80℃）：250-550mPa.s	Gel time（200℃）：≥20min
Dk（1MHz）：≤3.2	Df（1MHz）：≤0.008
Tg：≥350℃	Td：≥420℃

Products Presentation

Product Name ： Novolac cyanate ester solution

CAS NO.30944-92-4

Code： N05CL

Features:

It has the excellent properties such as higher thermal resistance, low flammability, high char yield requirements, etc. It possesses good process properties. Tg is around 400 ℃.

Applications:

Public transport, aerospace, composites, electronic circuitry, adhesives, mechanism, high char yield material, mould, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：light yellow to brownish yellow liquid	RC：75% (25%MEK)
Viscosity（25℃）：≤300mPa.s	Gel time（200℃）：≥20min
Dk（1MHz）：≤3.2	Df（1MHz）：≤0.008
Tg：≥350℃	Td：≥420℃

Products Presentation

Product Name ： Novolac cyanate ester solution

CAS NO.30944-92-4

Code： N05CL80

Features:

It has the excellent properties such as higher thermal resistance, low flammability, high char yield requirements, etc. It possesses good process properties. Tg is around 400 ℃.

Applications:

Public transport, aerospace, composites, electronic circuitry, adhesives, mechanism, high char yield material, mould, etc.

Packaging and Storage:

20kg/unit

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：light yellow to brownish yellow liquid

RC：80% (20% MEK)

Viscosity（25℃）:≤300mPa.s

Gel time（200℃）:≥20min

Dk（1MHz）：≤3.2

Df（1MHz）：≤0.008

Tg：≥350℃

Td：≥420℃

Products Presentation

Product Name ： Tetramethyl bisphenol F cyanate ester

CAS NO.101657-77-6

Code: TBF06E

Features:

It is solid monomer at room temperature. It can be polymerized to prepolymers or oligomers. Cured polymers have outstanding hot-wet resistances and better flexural modulus.

Applications:

Aerospace, composites, electronic circuitry, stealth and low observables, etc.

Packaging and Storage:

Powder solid, 25kg/ unit.

Please store in a cool, ventilated, dry place and keep away from heat source.

18 months at room temperature(25℃), 24 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Mw：306.36

Appearance：white crystalline powder

M.P：106-108℃

Density：1.197（g/cm^3 25℃）

Purity：≥98.5%

Water content：≤0.1%

Dk（1MHz）：≤2.8

Df（1MHz）：≤0.003

Tg：≥250℃

Td：≥420℃

Products Presentation

Product Name: Tetramethylbisphenol F cyanate Prepolymer

CAS NO.101657-77-6

Code: TBF06P series

Features:

It is prepolymer and viscous solid at room temperature. According to different viscosity index corresponding to different material codes.

Applications:

Aerospace, electronic circuits, composites, stealth and low detectability, etc.

Packaging and storage:

20kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：Orange yellow to orange-red semi-solid, no obvious mechanical impurities

Non-volatile matter：≥99.0%

Viscosity（80℃）：≤2000mPa.s

Gel time（200℃）：≥20min

Dk（1GHz）： ≤3.0

Df（1GHz）：≤0.004

Tg：≥250℃

Td： ≥400℃

Products Presentation

Product Name： Bisphenol M cyanate ester

CAS NO.127667-44-1

Code: BM07CE

Features:

It is light yellow semi-solid or white powder crystal at room temperature. It can be polymerized to prepolymers or oligomers. Cured polymers have lower moisture absorption, better dielectric properties and higher fracture toughness.

Applications:

Aerospace, composites, electronic circuitry, stealth and low observables, etc.

Packaging and Storage:

Please store in a cool, ventilated, dry place and keep away from heat source.

18 months at room temperature(25℃), 24 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：white to light yellow crystalline powder　　Mw：396.49

M.P：　69-71℃　　Density: 1.14（g/cm3　25℃）

Purity：≥98.5%　　Water content：≤0.1 %

Dk（1MHz）：≤2.8　　Df（1MHz）：≤0.002

Tg：≥190℃　　Td：≥400℃

Products Presentation

Product Name: Bisphenol M cyanate Prepolymer

CAS NO.127667-44-1

Code: BM07CP series

Features:

It is prepolymer and viscous solid at room temperature. It has very low water absorption and dielectric loss, and excellent comprehensive mechanical properties.

According to different viscosity index corresponding to different material codes.

Applications:

Aerospace, electronic circuits, composites, stealth and low detectability, etc.

Packaging and storage:

20kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃in keeping original package.

Technical Specifications：

Appearance：light yellow semisolid, no obvious mechanical impurities

Non-volatile matter：≥99.0%

Viscosity（80℃）：≤2000mPa.s

Gel time（200℃）：≥20min

Dk（1GHz）：≤2.8

Df（1GHz）：≤0.002

Tg：≥190℃

Td：≥400℃

Products Presentation

Product Name： Bisphenol E cyanate ester

CAS NO.47073-92-7

Code: BE09CE

Features:

It is liquid monomer at room temperature. It is very applicable to the process requiring low viscosity at room temperature.

Applications:

Aerospace, composites, electronic circuitry, stealth and low observables, etc.

Packaging and Storage:

20kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：Light yellow to brownish yellow liquid　　Mw：264.28

Non-volatile matter：≥ 98%　　Density：1.18（g/cm^3 25℃）

Viscosity(25℃)：30-150mPa.s　　Gel time(200℃)：≥20min

Dk（1MHz）：≤3.0　　Df（1MHz）：≤0.005

Tg：≥250℃　　Td：≥420℃

Product Presentation

Product Name： Toughened cyanate ester solution

Code: TCE1000

Features:

TCE1000 is a toughened, low viscosity prepolymer. It is very low in moisture absorbtion. It possesses outstanding hot-wet resistance performance and excellent dielectric properties. 100% neat resin is available according to different applications, product code is TCE1000.

Applications:

Electronics encapsulants, aerospace structures, high performance PCB, composites, etc.

Packaging and Storage:

20kg/unit, 200 kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

12 months at room temperature(25℃), 24 months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance： orange-yellow to orange-red liquid

Viscosity（25℃）：250-600mPa.s

Dk（1MHz）： ≤2.8

Tg：≥260℃

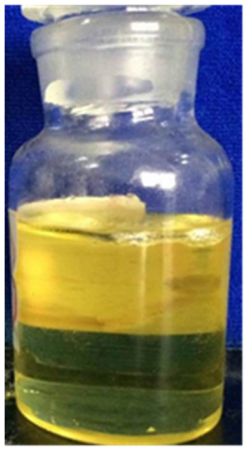
RC：75%（25% MEK）

Gel time（200℃）：≥20min

Df（1MHz）： ≤0.003

Td：≥420℃

Products Presentation



Product Name: Modified cyanate prepolymer solution

Code: MCPS110

Features:

The product is an elastomeric modified prepolymer of cyanate, which improves the reactivity of cyanate, improves the toughness of the material effectively, and has little influence on heat resistance. The product added 25% solvent, low viscosity state at room temperature. The solvent is usually MEK, and the solvent type can be changed according to the customer's needs.

Applications:

It can be used in high performance CCL, adhesive, composite material and other industries.

Packaging and storage:

Fluid at room temperature, 25kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance： Yellow to light brown liquid　　Resin content：75±2%（25%MEK）

Viscosity（25℃）：200-1500mPa.s　　Gel time（200℃）：≥20min

Products Presentation

Product Name: Modified cyanate prepolymer solution

Code: MCPS213

Features:

The product is an elastomeric modified prepolymer of cyanate, which improves the reactivity of cyanate, improves the toughness of the material effectively, and has little influence on heat resistance. The product added 25% solvent, low viscosity state at room temperature. The solvent is usually MEK, and the solvent type can be changed according to the customer's needs.

Applications:

It can be used in high performance CCL, adhesive, composite material and other industries.

Packaging and storage:

Fluid at room temperature, 25kg/unit.

Please store in a cool, ventilated, dry place. Avoid direct sunlight and keep away from heat source.

6 months at room temperature(25℃), 12months at temperature ≤5℃ in keeping original package.

Technical Specifications：

Appearance：Dark yellow to light brown liquid

Resin content：75±2%（25%MEK） Viscosity（25℃）：200-1500mPa.s

Gel time（200℃）：≥20min