

1. イエローカード検索 (UL Product iQ)

(1)登録サイト <https://iq.ulprospector.com/info/>

(2)Login後画面

The screenshot shows the UL Product iQ website interface. At the top, there is a red header with the text "UL Product iQ™". Below the header, on the right side, is the text "Find what you need faster with iQ Plus Search Tools!". On the left side, there are several dark blue boxes with white text. The first box is titled "Product iQ Tour" and contains the text "Get the most out of your Product iQ experience. Take a tour of the app to learn more about it." The second box is titled "Product and Component Suppliers:" and contains two bullet points: "Have a question about UL Certification? Let us know how we can assist you." and "Want to learn more about our Product iQ marketing solutions? Learn more here." The third box is titled "iQ™ Family of Databases" and contains the text "For enhanced search functionality." The fourth box contains the text "If you are an AHJ user, click here to request premium access." On the right side, there is a dark blue header with the text "iQ PLUS SEARCH TOOLS". Below this header, there are several categories with icons: "Authorized Service Providers" (orange icon), "Building Materials, Systems and Installation Codes" (green icon), "Finished Goods" (blue icon), "Lighting" (red icon), and "Materials" (dark blue icon). Under the "Materials" category, there are several links: "Appliance Wiring Material" (Search by material), "Appliance Wiring Material - Company" (Search by Company), "Color and Other Additive Concentrates", "Gaskets and Seals", "Photovoltaic Materials", "Plastics (QMFZ2 Yellow Card)" (highlighted with an orange box), and "Plastics for Additive Manufacturing (Blue Card)".

UL Product iQ™

Find what you need faster with iQ Plus Search Tools!

Product iQ Tour
Get the most out of your Product iQ experience. Take a tour of the app to learn more about it.

Product and Component Suppliers:

- Have a question about UL Certification? [Let us know how we can assist you.](#)
- Want to learn more about our Product iQ marketing solutions? [Learn more here.](#)

iQ™ Family of Databases
For enhanced search functionality.

If you are an AHJ user, click here to request premium access.

iQ PLUS SEARCH TOOLS

- Authorized Service Providers
- Building Materials, Systems and Installation Codes
- Finished Goods
- Lighting
- Materials
 - [Appliance Wiring Material](#)
Search by material
 - [Appliance Wiring Material - Company](#)
Search by Company
 - [Color and Other Additive Concentrates](#)
 - [Gaskets and Seals](#)
 - [Photovoltaic Materials](#)
 - [Plastics \(QMFZ2 Yellow Card\)](#)
 - [Plastics for Additive Manufacturing \(Blue Card\)](#)

Yellow card
検索画面へ

2. イエローカード検索 (UL Product iQ)

(3) 検索画面

UL Product iQ™

REFINE RESULTS

Build or filter your results by keyword and/or adding criteria like document type, file number and country name.

Search Template: Plastics (QMFZ2 Yellow Card)

- Keyword**
Filter by Keyword Search
- Model**
- File Number**
x Value Contains: E41179 x
- Tradename**
lupilon
- Generic**
Generic Type
Click to view and filter values
- Specific Generic**
Click to view and filter values
- Location**
Click to view and filter values
- Company Name**
x MITSUBISHI ENGINEERING-PLASTICS CORP x
- UL Mark**
Click to view and filter values
- UV Exposure & Water Immersion**

Dashboard / Search

▶ 270 Results :: Base Template: Plastics (QMFZ2 Yellow Card) :: Tradename: lupilon :: File Number: E41179 :: Company Name: MITSUBISHI ENGINEERING-PLASTICS CORP

Action

Document Name	Company Name	File Number	Color	Min. Thick (mm)	Flame Class	HWI	HAI	CTI	RTI Elec
DS32(a4)V+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	0.40	V-2	4	1	3	80
			ALL	0.75	V-2	3	1	3	130
			ALL	1.5	V-2	3	1	3	130
			ALL	3.0	V-2	2	0	3	130
DSH3002-	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC, WT	0.75	HB	--	--	--	80
			NC, WT	3.0	HB	--	--	--	80
			NC, WT	6.4	HB	--	--	--	80
E-1000+, E-1001+, E-1003+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	1.5	HB	3	0	2	125
			ALL	3.0	HB	3	0	2	125
			ALL	6.0	HB	0	0	2	125
E-2000(&4)(f1), E-2001(&4)(f1), E-2003(&4)(f1)	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	0.50	HB	0	0	2	80
			ALL	1.5	HB	3	0	2	125
			ALL	3.0	HB	3	0	2	125
			ALL	6.0	HB	0	0	2	125
ECF20(cc)+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	BK	0.8	V-2	--	--	--	80
			BK	1.5	V-0	--	--	--	80
			BK	3.0	V-0	--	--	--	80
ECF2008K+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	BK	0.75	V-2	--	--	--	80
			BK	1.5	V-1	--	--	--	80
			BK	3.0	V-0	--	--	--	80
ECGV1020R	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC	0.4	HB	--	--	--	80
			NC	0.8	V-2	--	--	--	80
			NC	3.0	V-1	--	--	--	80
ECGV2010R	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC, BK	0.40	HB	--	--	--	80
			NC, BK	0.8	V-2	--	--	--	80
			NC, BK	3.0	V-1	--	--	--	80

【検索項目の入力】

【検索結果一覧】

3. イエローカード表示: 例 S-3000V

UL Product iQ™

[Dashboard](#) / [Search](#) / [S-3000V+\(f1\)](#), [S-3001V+\(f1\)](#), [S-3003V+\(f1\)](#) | UL Product iQ

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

DETAILS

File No.: [E41179](#)

UL Category: [QMFZ2.q](#)
[QMFZ8.q](#)

Document Type: Product

RESOURCES

- [UL Confirmation Letter](#)
- [View Classic Yellow Card](#)
- [Find Linked Technical Datasheets in Prospector](#)
- [Guide Info \(QMFZ2\)](#)
- [Guide Info \(QMFZ8\)](#)

TAGS

Add Tag

Document [Company Information](#)

File Number: E41179

COMPANY

MITSUBISHI ENGINEERING-PLASTICS CORP
ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan

MODEL INFO

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

Polycarbonate (PC), unreinforced, furnished as pellets

(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

± – Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1)

FLAMMABILITY PROPERTIES

VALU

Flammability

0.38 mm, Color: ALL

V-

1.5 mm, Color: ALL

V-

3.0 mm, Color: ALL

V-

ISO/IEC FLAMMABILITY PROPERTIES

VALU

Flammability

0.38 mm, Color: ALL

V-

1.5 mm, Color: ALL

V-

3.0 mm, Color: ALL

V-

ELECTRICAL PROPERTIES

VALU

Hot-wire Ignition (HWI)

参考) 従来タイプのイエローカードの表示

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

DETAILS

File No.: [E41179](#)

UL Category: [QMFZ2](#) 
[QMFZ8](#) 

Document Type: Product

RESOURCES

 [UL Confirmation Letter](#)

 [View Classic Yellow Card](#)

 [Find Linked Technical Datasheets
in Prospector](#)

 [Guide Info \(QMFZ2\)](#)

 [Guide Info \(QMFZ8\)](#)

TAGS

Document

[Company Information](#)

File Number: E41179

COMPANY

MITSUBISHI ENGINEERING-PLASTICS CORP
ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan

MODEL INFO

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)
Polycarbonate (PC), unreinforced, furnished as pellets
(f1) – Suitable for outdoor use with respect to exposure to Ultravi
+ – Suffix optional, exceptions: The following cannot be used as c
S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade

参考) 従来タイプのイエローカード: 表示例 S-3000V

Component - Plastics

E41179

Guide Information

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT, SHIODOME SUMITOMO-BLDG 25TH FL, 1-9-2 HIGASHI-SHINBASHI, MINATO-KU TOKYO 105-0021 JP

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

Polycarbonate (PC), unreinforced, furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.38	V-2	-	-	80	80	80
	1.5	V-2	3	0	125	115	125
	3.0	V-2	3	0	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 20

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 7

Surface Resistivity (10^x ohms/square): -

High Volt, Low Current Arc Resis (D495): 5

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

+ - Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade CFH2520+, "W" for ELV2010 included in Grade ELV20(a5)+.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1992-10-01

Last Revised: 2021-06-01

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.38	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-

Yellow Card search (UL Product iQ)

1. URL <https://iq.ulprospector.com/info/>

2. After Login

UL Product iQ™

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Product iQ Tour
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Product and Component Suppliers:

- Have a question about UL Certification? [Let us know how we can assist you.](#)
- Want to learn more about our Product iQ marketing solutions? [Learn more here.](#)

iQ™ Family of Databases
For enhanced search functionality.

If you are an AHJ user, click here to request premium access.

IQ PLUS SEARCH TOOLS

- Authorized Service Providers
- Building Materials, Systems and Installation Codes
- Finished Goods
- Lighting
- Materials
 - [Appliance Wiring Material](#)
Search by material
 - [Appliance Wiring Material - Company](#)
Search by Company
 - [Color and Other Additive Concentrates](#)
 - [Gaskets and Seals](#)
 - [Photovoltaic Materials](#)
 - [Plastics \(QMFZ2 Yellow Card\)](#)
 - [Plastics for Additive Manufacturing \(Blue Card\)](#)

Yellow Card
search

3. Search window

UL Product iQ™

REFINE RESULTS
Build or filter your results by keyword and/or adding criteria like document type, file number and country name.

Search Template: Plastics (QMFZ2 Yellow Card)

- Keyword**
Filter by Keyword Search
- Model**
- File Number**
x Value Contains: E41179 x
- Tradename**
Iupilon
- Generic**
Generic Type
Click to view and filter values
- Specific Generic**
Click to view and filter values
- Location**
Click to view and filter values
- Company Name**
x MITSUBISHI ENGINEERING-PLASTICS CORP x
- UL Mark**
Click to view and filter values
- UV Exposure & Water Immersion**

Dashboard / Search

▶ 270 Results :: Base Template: Plastics (QMFZ2 Yellow Card) :: Tradename: Iupilon :: File Number: E41179 :: Company Name: MITSUBISHI ENGINEERING-PLASTICS CORP

Action ▾ Display: General ▾

Document Name ⇅	Company Name ⇅	File Number ⇅	Color	Min. Thick (mm)	Flame Class	HWI	HAI	CTI	RTI Elec (°C)
DS32(a4)V+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	0.40	V-2	4	1	3	80
			ALL	0.75	V-2	3	1	3	130
			ALL	1.5	V-2	3	1	3	130
			ALL	3.0	V-2	2	0	3	130
DSH3002+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC, WT	0.75	HB	--	--	--	80
			NC, WT	3.0	HB	--	--	--	80
			NC, WT	6.4	HB	--	--	--	80
E-1000+, E-1001+, E-1003+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	1.5	HB	3	0	2	125
			ALL	3.0	HB	3	0	2	125
			ALL	6.0	HB	0	0	2	125
E-2000(&4)(f1), E-2001(&4)(f1), E-2003(&4)(f1)	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	ALL	0.50	HB	0	0	2	80
			ALL	1.5	HB	3	0	2	125
			ALL	3.0	HB	3	0	2	125
			ALL	6.0	HB	0	0	2	125
ECF20(cc)+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	BK	0.8	V-2	--	--	--	80
			BK	1.5	V-0	--	--	--	80
			BK	3.0	V-0	--	--	--	80
ECF2008K+	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	BK	0.75	V-2	--	--	--	80
			BK	1.5	V-1	--	--	--	80
			BK	3.0	V-0	--	--	--	80
ECGV1020R	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC	0.4	HB	--	--	--	80
			NC	0.8	V-2	--	--	--	80
			NC	3.0	V-1	--	--	--	80
ECGV2010R	MITSUBISHI ENGINEERING-PLASTICS CORP	E41179	NC, BK	0.40	HB	--	--	--	80
			NC, BK	0.8	V-2	--	--	--	80
			NC, BK	3.0	V-1	--	--	--	80

Enter search information

Results

Yellow Card, example (Iupilon™ S-3000V)

UL Product iQ™

[Dashboard](#) / [Search](#) / [S-3000V+\(f1\)](#), [S-3001V+\(f1\)](#), [S-3003V+\(f1\)](#) | UL Product iQ

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

DETAILS

File No.: [E41179](#)

UL Category: [QMFZ2.q](#)
[QMFZ8.q](#)

Document Type: Product

RESOURCES

- [UL Confirmation Letter](#)
- [View Classic Yellow Card](#)
- [Find Linked Technical Datasheets in Prospector](#)
- [Guide Info \(QMFZ2\)](#)
- [Guide Info \(QMFZ8\)](#)

TAGS

Add Tag

Document [Company Information](#)

File Number: E41179

COMPANY

MITSUBISHI ENGINEERING-PLASTICS CORP
ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan

MODEL INFO

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

Polycarbonate (PC), unreinforced, furnished as pellets

(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

+ – Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1)

FLAMMABILITY PROPERTIES

VALU

Flammability

0.38 mm, Color: ALL

V-

1.5 mm, Color: ALL

V-

3.0 mm, Color: ALL

V-

ISO/IEC FLAMMABILITY PROPERTIES

VALU

Flammability

0.38 mm, Color: ALL

V-

1.5 mm, Color: ALL

V-

3.0 mm, Color: ALL

V-

ELECTRICAL PROPERTIES

VALU



Hot-wire Ignition (HWI)

Appendix 1: Previous (old) format of Yellow Card search

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

DETAILS

File No.: [E41179](#)


UL Category: [QMFZ2](#) 
[QMFZ8](#) 

Document Type: Product

RESOURCES

 [UL Confirmation Letter](#)

 [View Classic Yellow Card](#)

 [Find Linked Technical Datasheets in Prospector](#)

 [Guide Info \(QMFZ2\)](#)

 [Guide Info \(QMFZ8\)](#)

TAGS

Document [Company Information](#)

File Number: E41179

COMPANY

MITSUBISHI ENGINEERING-PLASTICS CORP
ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan

MODEL INFO

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)
Polycarbonate (PC), unreinforced, furnished as pellets
(f1) – Suitable for outdoor use with respect to exposure to Ultravi
+ – Suffix optional, exceptions: The following cannot be used as c
S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade

Appendix 2: Previous (old) example (Iupilon™ S-3000V)

Guide Information

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT, SHIODOME SUMITOMO-BLDG 25TH FL, 1-9-2 HIGASHI-SHINBASHI, MINATO-KU TOKYO 105-0021 JP

S-3000V+(f1), S-3001V+(f1), S-3003V+(f1)

Polycarbonate (PC), unreinforced, furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.38	V-2	-	-	80	80	80
	1.5	V-2	3	0	125	115	125
	3.0	V-2	3	0	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 20

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 7

Surface Resistivity (10^x ohms/square): -

High Volt, Low Current Arc Resis (D495): 5

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

+ - Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade CFH2520+, "W" for ELV2010 included in Grade ELV20(a5)+.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1992-10-01

Last Revised: 2021-06-01

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.38	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-