

## Printing Materials - Component

**COMPANY**

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th)  
 41 Digital-ro 31-gil  
 Guro-gu  
 Seoul, Seoul 152-719 Republic of Korea

MH47907


Model No.	Application Surface	Min Temp (°C)	Max Temp (°C)	Indoor Use	Outdoor Use	Additional Conditions
<b>Pressure-sensitive systems:</b>						
Printed label dsg: <b>CSG01-OP</b> <b>click for suitable additional printing inks</b>	Acrylic paint	-40	125	X	X	-
	Aluminum	-40	125	X	X	-
	Galvanized steel	-40	125	X	X	-
	Porcelain	-40	125	X	X	-
	Stainless steel	-40	125	X	X	-
	Alkyd paint	-40	100	X	X	-
	Epoxy paint	-40	100	X	X	-
	Melamine	-40	100	X	X	-
	Polyester paint	-40	100	X	X	-
	Polyester powder paint	-40	100	X	X	-
	Unsaturated polyester - thermoset	-40	100	X	X	-
	Acrylonitrile butadiene styrene	-40	80	X	X	-
	Glass	-40	80	X	X	-
	Nylon - Polyamide	-40	80	X	X	-
	Phenolic - Phenol Formaldehyde	-40	80	X	X	-
	Polycarbonate	-40	80	X	X	-
	Polyethylene terephthalate	-40	80	X	X	-

	Polystyrene	-40	80	X	X	-
	Polyvinyl fluoride	-40	80	X	X	-
	Polyvinylidene fluoride	-40	80	X	X	-
	Polyphenylene oxide/ether	-40	60	X	X	-
	Polypropylene	-40	60	X	-	-
Printed label dsg: <b>CSG01-OP2</b> <b>click for suitable additional printing inks</b>	Acrylic paint	-40	125	X	X	-
	Aluminum	-40	125	X	X	-
	Galvanized steel	-40	125	X	X	-
	Porcelain	-40	125	X	X	-
	Stainless steel	-40	125	X	X	-
	Alkyd paint	-40	100	X	X	-
	Epoxy paint	-40	100	X	X	-
	Melamine	-40	100	X	X	-
	Polyester paint	-40	100	X	X	-
	Polyester powder paint	-40	100	X	X	-
	Unsaturated polyester - thermoset	-40	100	X	X	-
	Acrylonitrile butadiene styrene	-40	80	X	X	-
	Glass	-40	80	X	X	-
	Nylon - Polyamide	-40	80	X	X	-
	Phenolic - Phenol Formaldehyde	-40	80	X	X	-
	Polycarbonate	-40	80	X	X	-
	Polyethylene terephthalate	-40	80	X	X	-
	Polystyrene	-40	80	X	X	-
	Polyvinyl fluoride	-40	80	X	X	-
	Polyvinylidene fluoride	-40	80	X	X	-
	Polyphenylene oxide/ether	-40	60	X	X	-
	Polypropylene	-40	60	X	-	-
Unprinted stock dsg: <b>LSG01- NN</b> <b>click for suitable additional printing inks</b>	Acrylic paint	-40	125	X	X	-
	Aluminum	-40	125	X	X	-

	Galvanized steel	-40	125	X	X	-
	Porcelain	-40	125	X	X	-
	Stainless steel	-40	125	X	X	-
	Alkyd paint	-40	100	X	X	-
	Melamine	-40	100	X	X	-
	Polyester paint	-40	100	X	X	-
	Polyester powder paint	-40	100	X	X	-
	Unsaturated polyester - thermoset	-40	100	X	X	-
	Acrylonitrile butadiene styrene	-40	80	X	X	-
	Polycarbonate	-40	80	X	X	-
	Polyethylene terephthalate	-40	80	X	X	-
	Polystyrene	-40	80	X	X	-
	Polyvinyl fluoride	-40	80	X	X	-
	Polyvinylidene fluoride	-40	80	X	X	-
Unprinted stock dsg: <b>LSG01-OL</b> Printed label dsg: <b>LSG01-OP</b> <b>click for suitable additional printing inks</b>	Acrylic paint	-40	125	X	X	-
	Aluminum	-40	125	X	X	-
	Galvanized steel	-40	125	X	X	-
	Porcelain	-40	125	X	X	-
	Stainless steel	-40	125	X	X	-
	Alkyd paint	-40	100	X	X	-
	Melamine	-40	100	X	X	-
	Polyester paint	-40	100	X	X	-
	Polyester powder paint	-40	100	X	X	-
	Unsaturated polyester - thermoset	-40	100	X	X	-
	Acrylonitrile butadiene styrene	-40	80	X	X	-
	Polycarbonate	-40	80	X	X	-
	Polyethylene terephthalate	-40	80	X	X	-
	Polystyrene	-40	80	X	X	-
	Polyvinyl fluoride	-40	80	X	X	-

	Polyvinylidene fluoride	-40	80	X	X	-
Unprinted stock dsg: <b>TSG01-OL, TSG01-NN</b> Printed label dsg: <b>TSG01-OP, TSG01-NP</b> <b>click for suitable additional printing inks</b>	Aluminum	-40	125	X	X	-
	Galvanized steel	-40	125	X	X	-
	Stainless steel	-40	125	X	X	-
	Acrylic paint	-40	100	X	X	-
	Acrylic powder paint	-40	100	X	X	-
	Alkyd paint	-40	100	X	X	-
	Epoxy	-40	100	X	X	-
	Polyester	-40	100	X	X	-
	Polyester powder paint	-40	100	X	X	-
	Porcelain	-40	100	X	X	-
	Unsaturated polyester - thermoset	-40	100	X	X	-
	Acrylonitrile butadiene styrene	-40	80	X	X	-
	Melamine	-40	80	X	X	-
	Nylon - Polyamide	-40	80	X	X	-
	Phenolic - Phenol Formaldehyde	-40	80	X	X	-
	Polycarbonate	-40	80	X	X	-
	Polyethylene terephthalate	-40	80	X	X	-
	Polystyrene	-40	80	X	X	-
	Polyvinyl fluoride	-40	80	X	X	-
	Polyvinylidene fluoride	-40	80	X	X	-
	Polyethylene	-40	60	X	X	-
	Polyphenylene oxide/ether	-40	60	X	X	-
	Polypropylene	-40	60	X	X	-

Note: Application surfaces are smooth, flat, and rigid unless otherwise specified. Labels suitable for application to two or more plastic or painted surfaces are considered suitable for blends of those plastics or paints, with Conditions of Acceptability common to the individual components in the blend.

Marking: Company name and model designation and the Recognized Component Mark, 

Last Updated on 2022-11-28

Feedback

---

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."

iq.ul.com

Printing Materials

MH47907

Guide Information

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th), 41 Digital-ro 31-gil, Guro-gu, Seoul 152-719 KR

**printed stock dsg: CSG01-OP**

Pressure-sensitive systems

Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated):

Thermal transfer ribbon

- Armor AXR 600, AXR 600W (White), AXR 7+
- Brady R60XX (XX is replaced by numerals to indicate ribbon size.)
- Dainippon R510W (White)
- ITW B324
- ITW Thermal Films B325W (White)
- Ricoh B100CR

<u>Application Surface</u>	<u>Max Temp</u> (°C)	<u>Min Temp</u> (°C)	<u>Indoor Use</u>	<u>Outdoor Use</u>	<u>Additional Conditions</u>
Acrylic paint	125	-40	Yes	Yes	-
Aluminum	125	-40	Yes	Yes	-
Galvanized steel	125	-40	Yes	Yes	-
Porcelain	125	-40	Yes	Yes	-
Stainless steel	125	-40	Yes	Yes	-
Alkyd paint	100	-40	Yes	Yes	-
Epoxy paint	100	-40	Yes	Yes	-
Melamine	100	-40	Yes	Yes	-
Polyester paint	100	-40	Yes	Yes	-
Polyester powder paint	100	-40	Yes	Yes	-
Unsaturated polyester - thermoset	100	-40	Yes	Yes	-
Acrylonitrile butadiene styrene	80	-40	Yes	Yes	-
Glass	80	-40	Yes	Yes	-
Nylon - Polyamide	80	-40	Yes	Yes	-
Phenolic - Phenol Formaldehyde	80	-40	Yes	Yes	-
Polycarbonate	80	-40	Yes	Yes	-
Polyethylene terephthalate	80	-40	Yes	Yes	-
Polystyrene	80	-40	Yes	Yes	-
Polyvinyl fluoride	80	-40	Yes	Yes	-
Polyvinylidene fluoride	80	-40	Yes	Yes	-
Polyphenylene oxide/ether	60	-40	Yes	Yes	-
Polypropylene	60	-40	Yes	No	-

Suitable for additional printing with one or more of the following inks in Canadian applications (in the black color unless otherwise indicated):

Thermal transfer ribbon

- Armor AXR 600, AXR 600W (White), AXR 7+
- Brady R60XX (XX is replaced by numerals to indicate ribbon size.)
- Dainippon R510W (White)
- ITW B324
- ITW Thermal Films B325W (White)
- Ricoh B100CR

<u>Canadian Application Surface</u>	<u>Max Temp</u> (°C)	<u>Indoor Use</u>	<u>Outdoor Use</u>	<u>Additional Conditions</u>
Metals - bare, plated, painted or enameled steel or aluminum	125	Yes	Yes	-
Porcelain	125	Yes	Yes	-
Plastic Group I - phenolic, melamine, urea formaldehyde	100	Yes	Yes	-
Plastic Group VIII - Unsaturated (thermoset) polyester (fiberglass), epoxy plastic, polyethylene terephthalate, polybutylene terephthalate	100	Yes	Yes	-
Powder coated metal Group A - polyester powder coat paint	100	Yes	Yes	-
Glass	80	Yes	Yes	-
Plastic Group VI - polystyrene, styrene acrylonitrile, acrylonitrile-butadiene-styrene	80	Yes	Yes	-
Polyvinyl fluoride	80	Yes	Yes	-
Polyvinylidene fluoride	80	Yes	Yes	-
Plastic Group II - polyphenylene oxide, polyphenylene sulphide	60	Yes	Yes	-
Plastic Group III - polycarbonate, acetate, acrylic	60	Yes	Yes	-

Report Date: 2019-06-27

Last Revised: 2022-11-28

© 2023 UL Solutions



iq.ul.com

Printing Materials

MH47907

Guide Information

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th), 41 Digital-ro 31-gil, Guro-gu, Seoul 152-719 KR

**printed stock dsg: CSG01-OP2**

Pressure-sensitive systems

Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated):

Additional Printing Note: Additional Printing inks are only suitable for indoor and outdoor use, unless otherwise specified

Thermal transfer ribbon

Armor **AXR 600W (White)**

Dainippon **R510W (White)**

ITW Thermal Films **B325W (White)**

<u>Application Surface</u>	<u>Max Temp (°C)</u>	<u>Min Temp (°C)</u>	<u>Indoor Use</u>	<u>Outdoor Use</u>	<u>Additional Conditions</u>
Acrylic paint	125	-40	Yes	Yes	-
Aluminum	125	-40	Yes	Yes	-
Galvanized steel	125	-40	Yes	Yes	-
Porcelain	125	-40	Yes	Yes	-
Stainless steel	125	-40	Yes	Yes	-
Alkyd paint	100	-40	Yes	Yes	-
Epoxy paint	100	-40	Yes	Yes	-
Melamine	100	-40	Yes	Yes	-
Polyester paint	100	-40	Yes	Yes	-
Polyester powder paint	100	-40	Yes	Yes	-
Unsaturated polyester - thermoset	100	-40	Yes	Yes	-
Acrylonitrile butadiene styrene	80	-40	Yes	Yes	-
Glass	80	-40	Yes	Yes	-
Nylon - Polyamide	80	-40	Yes	Yes	-
Phenolic - Phenol Formaldehyde	80	-40	Yes	Yes	-
Polycarbonate	80	-40	Yes	Yes	-
Polyethylene terephthalate	80	-40	Yes	Yes	-
Polystyrene	80	-40	Yes	Yes	-
Polyvinyl fluoride	80	-40	Yes	Yes	-
Polyvinylidene fluoride	80	-40	Yes	Yes	-
Polyphenylene oxide/ether	60	-40	Yes	Yes	-
Polypropylene	60	-40	Yes	No	-

Suitable for additional printing with one or more of the following inks in Canadian applications (in the black color unless otherwise indicated):

Additional Printing Note: Additional Printing inks are only suitable for indoor and outdoor use, unless otherwise specified

Thermal transfer ribbon

Armor **AXR 600W (White)**

Dainippon **R510W (White)**

ITW Thermal Films **B325W (White)**

<u>Canadian Application Surface</u>	<u>Max Temp (°C)</u>	<u>Indoor Use</u>	<u>Outdoor Use</u>	<u>Additional Conditions</u>
Metals - bare, plated, painted or enameled steel or aluminum	125	Yes	Yes	-
Porcelain	125	Yes	Yes	-
Plastic Group I - phenolic, melamine, urea formaldehyde	100	Yes	Yes	-
Plastic Group VIII - Unsaturated (thermoset) polyester (fiberglass), epoxy plastic, polyethylene terephthalate, polybutylene terephthalate	100	Yes	Yes	-
Powder coated metal Group A - polyester powder coat paint	100	Yes	Yes	-
Glass	80	Yes	Yes	-
Plastic Group VI - polystyrene, styrene acrylonitrile, acrylonitrile-butadiene-styrene	80	Yes	Yes	-
Polyvinyl fluoride	80	Yes	Yes	-
Polyvinylidene fluoride	80	Yes	Yes	-
Plastic Group II - polyphenylene oxide, polyphenylene sulphide	60	Yes	Yes	-
Plastic Group III - polycarbonate, acetate, acrylic	60	Yes	Yes	-

Report Date: 2019-06-27

Last Revised: 2022-11-28

© 2023 UL Solutions



iq.ul.com

Printing Materials

MH47907

Guide Information

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th), 41 Digital-ro 31-gil, Guro-gu, Seoul 152-719 KR

**unprinted stock dsq: LSG01-NN**

Pressure-sensitive systems

Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated):

Laser Engraving

Tootech TTE-7 series (Dark gray)

<u>Application Surface</u>	<u>Max Temp</u> (°C)	<u>Min Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Acrylic paint	125	-40	Yes	Yes	-
Aluminum	125	-40	Yes	Yes	-
Galvanized steel	125	-40	Yes	Yes	-
Porcelain	125	-40	Yes	Yes	-
Stainless steel	125	-40	Yes	Yes	-
Alkyd paint	100	-40	Yes	Yes	-
Melamine	100	-40	Yes	Yes	-
Polyester paint	100	-40	Yes	Yes	-
Polyester powder paint	100	-40	Yes	Yes	-
Unsaturated polyester - thermoset	100	-40	Yes	Yes	-
Acrylonitrile butadiene styrene	80	-40	Yes	Yes	-
Polycarbonate	80	-40	Yes	Yes	-
Polyethylene terephthalate	80	-40	Yes	Yes	-
Polystyrene	80	-40	Yes	Yes	-
Polyvinyl fluoride	80	-40	Yes	Yes	-
Polyvinylidene fluoride	80	-40	Yes	Yes	-

Suitable for additional printing with one or more of the following inks in Canadian applications (in the black color unless otherwise indicated):

Laser Engraving

Tootech TTE-7 series (Dark gray)

<u>Canadian Application Surface</u>	<u>Max Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Porcelain	125	Yes	Yes	-
Plastic Group I - phenolic, melamine, urea formaldehyde	100	Yes	Yes	-
Polyvinyl fluoride	100	Yes	Yes	-
Plastic Group VI - polystyrene, styrene acrylonitrile, acrylonitrile-butadiene-styrene	80	Yes	Yes	-
Polyethylene terephthalate	80	Yes	Yes	-
Polyvinylidene fluoride	80	Yes	Yes	-

Report Date: 2010-11-08

Last Revised: 2017-12-11

© 2023 UL Solutions





iq.ul.com

Printing Materials

MH47907

Guide Information

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th), 41 Digital-ro 31-gil, Guro-gu, Seoul 152-719 KR

**unprinted stock dsg: LSG01-OL - printed stock dsg: LSG01-OP**

Pressure-sensitive systems

Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated):

Laser Engraving

Tootech TTE-7 series (Dark gray)

Thermal transfer ribbon

Armor AXR 7+

ITW B324

Ricoh B110CR

<u>Application Surface</u>	<u>Max Temp</u> (°C)	<u>Min Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Acrylic paint	125	-40	Yes	Yes	-
Aluminum	125	-40	Yes	Yes	-
Galvanized steel	125	-40	Yes	Yes	-
Porcelain	125	-40	Yes	Yes	-
Stainless steel	125	-40	Yes	Yes	-
Alkyd paint	100	-40	Yes	Yes	-
Melamine	100	-40	Yes	Yes	-
Polyester paint	100	-40	Yes	Yes	-
Polyester powder paint	100	-40	Yes	Yes	-
Unsaturated polyester - thermoset	100	-40	Yes	Yes	-
Acrylonitrile butadiene styrene	80	-40	Yes	Yes	-
Polycarbonate	80	-40	Yes	Yes	-
Polyethylene terephthalate	80	-40	Yes	Yes	-
Polystyrene	80	-40	Yes	Yes	-
Polyvinyl fluoride	80	-40	Yes	Yes	-
Polyvinylidene fluoride	80	-40	Yes	Yes	-

Suitable for additional printing with one or more of the following inks in Canadian applications (in the black color unless otherwise indicated):

Laser Engraving

Tootech TTE-7 series (Dark gray)

<u>Canadian Application Surface</u>	<u>Max Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Porcelain	125	Yes	Yes	-
Plastic Group I - phenolic, melamine, urea formaldehyde	100	Yes	Yes	-
Polyvinyl fluoride	100	Yes	Yes	-
Plastic Group VI - polystyrene, styrene acrylonitrile, acrylonitrile-butadiene-styrene	80	Yes	Yes	-
Polyethylene terephthalate	80	Yes	Yes	-
Polyvinylidene fluoride	80	Yes	Yes	-

Report Date: 2010-11-08

Last Revised: 2017-12-11

© 2023 UL Solutions



iq.ul.com

Printing Materials

MH47907

Guide Information

**TOOTECH Co Ltd**

309Ho (Guro-dong, E&C Venture Dream Tower 6Th), 41 Digital-ro 31-gil, Guro-gu, Seoul 152-719 KR

**unprinted stock dsq: TSG01-OL, TSG01-NN - printed stock dsq: TSG01-OP, TSG01-NP**

Pressure-sensitive systems

Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated):

Thermal transfer ribbon

- Armor AXR 600, AXR 600W (White), AXR 7+
- Brady R60XX (XX is replaced by numerals to indicate ribbon size.)
- ITW B324
- Ricoh B110CR

<u>Application Surface</u>	<u>Max Temp</u> (°C)	<u>Min Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Aluminum	125	-40	Yes	Yes	-
Galvanized steel	125	-40	Yes	Yes	-
Stainless steel	125	-40	Yes	Yes	-
Acrylic paint	100	-40	Yes	Yes	-
Acrylic powder paint	100	-40	Yes	Yes	-
Alkyd paint	100	-40	Yes	Yes	-
Epoxy	100	-40	Yes	Yes	-
Polyester	100	-40	Yes	Yes	-
Polyester powder paint	100	-40	Yes	Yes	-
Porcelain	100	-40	Yes	Yes	-
Unsaturated polyester - thermoset	100	-40	Yes	Yes	-
Acrylonitrile butadiene styrene	80	-40	Yes	Yes	-
Melamine	80	-40	Yes	Yes	-
Nylon - Polyamide	80	-40	Yes	Yes	-
Phenolic - Phenol Formaldehyde	80	-40	Yes	Yes	-
Polycarbonate	80	-40	Yes	Yes	-
Polyethylene terephthalate	80	-40	Yes	Yes	-
Polystyrene	80	-40	Yes	Yes	-
Polyvinyl fluoride	80	-40	Yes	Yes	-
Polyvinylidene fluoride	80	-40	Yes	Yes	-
Polyethylene	60	-40	Yes	Yes	-
Polyphenylene oxide/ether	60	-40	Yes	Yes	-
Polypropylene	60	-40	Yes	Yes	-

Suitable for additional printing with one or more of the following inks in Canadian applications (in the black color unless otherwise indicated):

Thermal transfer ribbon

- Armor AXR 600, AXR 600W (White), AXR 7+
- Brady R60XX (XX is replaced by numerals to indicate ribbon size.)
- ITW B324
- Ricoh B110CR

<u>Canadian Application Surface</u>	<u>Max Temp</u> (°C)	<u>Indoor</u> <u>Use</u>	<u>Outdoor</u> <u>Use</u>	<u>Additional</u> <u>Conditions</u>
Metals - bare, plated, painted or enameled steel or aluminum	125	Yes	Yes	-
Plastic Group I - phenolic, melamine, urea formaldehyde	100	Yes	Yes	-
Porcelain	100	Yes	Yes	-
Powder coated metal Group A - polyester powder coat paint	100	Yes	Yes	-
Powder coated metal Group B - acrylic powder coat paint	100	Yes	Yes	-
Polyethylene terephthalate	80	Yes	Yes	-
Polystyrene	80	Yes	Yes	-
Polyvinyl fluoride	80	Yes	Yes	-
Polyvinylidene fluoride	80	Yes	Yes	-
Plastic Group II - polyphenylene oxide, polyphenylene sulphide	60	Yes	Yes	-
Plastic Group III - polycarbonate, acetate, acrylic	60	Yes	Yes	-
Polyethylene	60	Yes	Yes	-

Report Date: 2016-08-09

Last Revised: 2017-12-07

© 2023 UL Solutions

