



**Underwriters
Laboratories**



Many products are tested and evaluated by Underwriters Laboratories (UL).

Testing is done to determine if a product meets safety standards established by regulations, organizations, manufacturers, and UL. The products that pass such testing may be labeled as UL Listed or UL Recognized. The labels affixed to these products, communicating this recognition, must also be UL Recognized.

UL Recognized labels must pass testing as outlined in the ANSI/UL969 Standard. Some of the testing requirements may include weathering legibility, defacement, chemical exposure, moisture exposure, aging, adhesion, and abrasion. Once approved, the inks and materials used in that specific label construction combination are granted a UL File number.

There are several different categories depending on the type of label (PGDQ2, PGJ12, PGGU2, PGIS2, PGDQ8, PGJ18, PGGU8, etc.).

UL labels are typically found in these markets and on these products:

Markets:

- IT
- Appliances
- Cable and wire
- Electronic equipment
- Electrical components
- Equipment used in hazardous areas
- Fire suppression/protection equipment
- Outdoor power equipment

Products:

- Heaters
- Furnaces
- Sprinkler systems
- Electrical appliances
- Bullet-resistant glass
- Computer equipment
- Smoke detectors/CO2 detectors
- Lawn mowers



Marking and Labeling Systems - Labels Bearing Safety-related Information

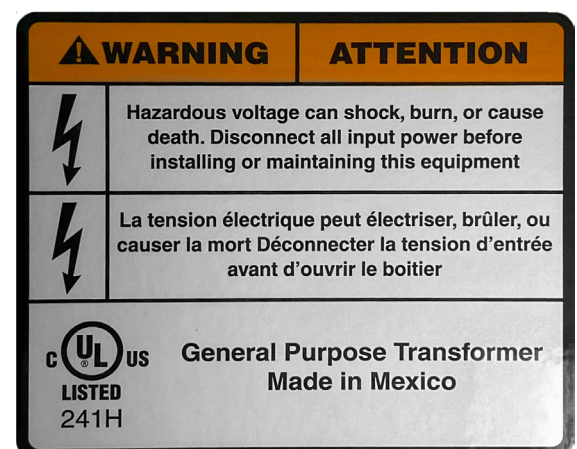
Recognized Component Marking & Labeling Systems are label constructions that have been submitted to UL for evaluation in accordance with prescribed permanence of marking performance requirements so they can be **used to display required information on UL end-use products**. Most UL certified products are required to be permanently marked with specific safety-related information such as warnings, cautionary markings, installation instructions, electrical ratings, or other information. UL's Component Recognition Program provides a convenient way for a UL end-use product manufacturer to acquire labels that meet the permanence of marking requirements applicable to their product.



Products Recognized under the label category code numbers PGDQ2, PGJl2, and PGGU2 are tested in accordance with the test methods in **UL 969, "Standard for Marking and Labeling Systems."** Each Recognized label product is considered suitable for use under specific Conditions of Acceptability. These Conditions of Acceptability include the surfaces to which the label may be applied, temperature ratings, and additional exposure conditions. The Conditions of Acceptability may also include print color limitations, label size limitations, and special use applications. The differences between the label categories are explained below.

PGDQ2 - Marking & Labeling Systems

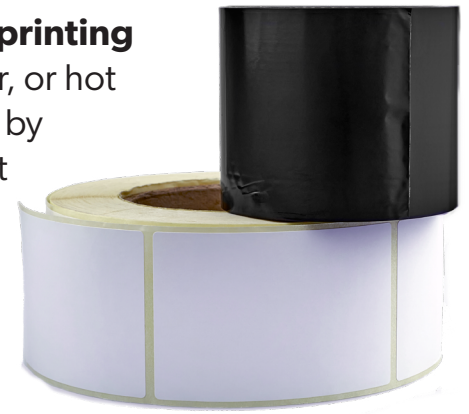
PGDQ2 covers **printed labels** that are manufactured by a label converter. As a general rule, these labels are sold as die-cut, finished printed labels. They have not been evaluated to receive additional printing by the end-use product manufacturer.



PGJ12 - Marking & Labeling Systems - Printing Materials

PGJ12 covers products that **are intended to receive additional printing by end-use product manufacturers** using thermal transfer, laser, or hot stamp printing equipment. Products in this category may be sold by label material suppliers in bulk roll form or by converters as die-cut labels that are either blank or preprinted leaving blank areas in which information is to be added.

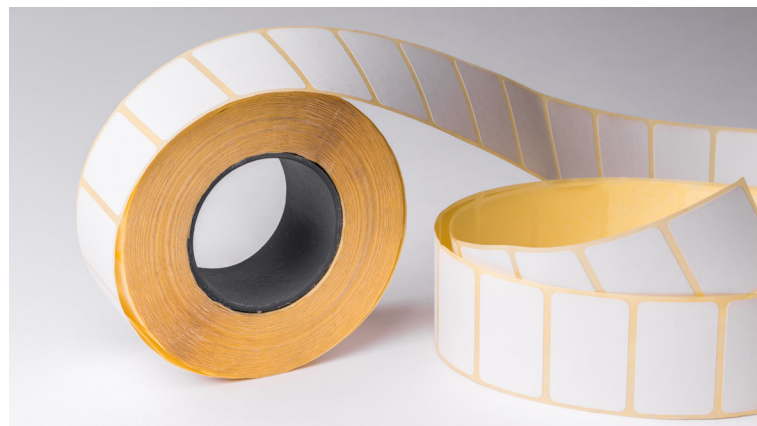
In the PGJ12 category, the thermal transfer ribbon inks, laser toners, and hot stamping foils for which the labels have been found suitable are specified in the Recognition. Only those specific inks are to be used to add information to the label.



PGGU2 - Marking & Labeling System Materials

PGGU2 covers label materials that are used to make labels. Products in this category include blank label stocks, laminating adhesives, and over laminations. These products are typically produced in bulk sizes and sold to label converters for the purpose of producing printed labels for PGDQ2 or PGJ12.

Label converters who use Recognized PGGU2 materials can receive the benefit of the



Recognition granted to the material manufacturer. The Conditions of Acceptability (surfaces, exposure conditions, etc.) for which the materials are suitable can be passed along to the converter thus greatly reducing the cost to establish Recognition of the printed label. This process is known as "Label Adoption".

Printed labels made from Recognized PGGU2 Materials (or unprinted PGJ12 Printing Materials) are not automatically considered to be a Recognized PGDQ2 label. To establish PGDQ2 Recognition through Label Adoption, the manufacturer must submit the printed label to UL. Depending on several factors such as the Conditions of Acceptability desired for the printed label and the materials used, some testing of representative samples usually is necessary.

Inks are not Recognized directly under the PGGU2 Recognition program. However, some PGGU2 material manufacturers have submitted their label materials to UL with printing to determine the compatibility of specific inks with their label materials. The benefit of such testing can be passed along to the converter.

PGIS2 - Marking & Labeling Systems - Limited Use

PGIS2 covers limited use labels. Labels in this category have been evaluated for use on specific types of products such as enclosures for electrical equipment or as cord tags on power supply cords. Such labels are tested in accordance with UL Standards other than UL 969, and therefore are not Recognized for general applications. The PGIS2 Recognition indicates the specific UL end-use product applications for which the labels have been found suitable.



PGDQ8, PGJI8, PGGU8 - Labels Evaluated to CSA Standard C22.2 No. 0.15 "Adhesive Labels"

UL also Recognizes label products in accordance with the Canadian Standard, CSA C22.2 No 0.15, "Adhesive Labels". Since the CSA Standard includes test methods that differ from UL 969, additional testing is necessary to grant a cUL (CNR) Recognition for labels used in the Canadian market. Label products Recognized under this program are in categories similar to those described above, under the headings PGDQ8, PGJI8, and PGGU8.



Labels Evaluated to Other Safety Standards

While all products Recognized in CCNs PGDQ2, PGJI2, and PGGU2 have been evaluated in accordance with UL 969, some have been additionally evaluated for specific end-use applications such as portable ladders and fire extinguishers where the governing standard has requirements that go beyond those in UL 969. Where this is the case, the Conditions of Acceptability indicate the specific end-use application.

Certification Marks

The Certification Mark indicates that the product to which the Mark is affixed has been investigated and found to be in accordance with the requirements of UL. Certification Marks include the **Listing Mark, Classification Marking, and Recognized Component Mark.**



PGAA - Authorized Label Suppliers Program

Before a label supplier may reproduce the UL Certification Mark, the supplier must properly execute the "Agreement with Supplier of Listing Marks, Classification Markings, and Recognized Component Marks." Suppliers of the UL Mark who have signed this agreement are listed on UL's website as "**Authorized Label Suppliers Program**" (PGAA). This is different from the R/C Marking & Labeling System categories in the sense that no evaluation is required to be performed on materials used to print the UL Mark. However, in cases when the Certification Mark and required marking information are printed on the same label, the supplier must be part of the "Authorized Label Suppliers Program" and use a Marking & Labeling System that is suitable for the surfaces and environmental conditions described in the end-use product's UL Procedure.

Additional information regarding UL's "Authorized Label Suppliers Program" can be found at www.ul.com/marks_labels under the heading Authorized Label Suppliers. More information is available in the brochure Guide for Printing UL Certification Marks, www.ul.com/marks_labels/label/printingulmarks.pdf.

For any questions relating to the printing or procurement of UL Certification Marks, please contact the UL Label Center in your region. Please visit www.ul.com/marks_labels/label/centers.html for a list of Label Centers.

Memberships and Affiliations



Certifications



About Whitlam Group

Whitlam Group is a leader of engineered label solutions and functional parts, solving complex label challenges for the world's largest corporations. Serving the automotive, industrial and consumer goods market for over sixty years, as a strategic partner. We understand the needs and processes of our customers and we proactively help them to achieve their objectives.

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