

# New and really strong: *Toughie Labels by Seiko Instruments*

**Now available!** The resistant Toughie Label. The Toughie label is chemical, ultra violet and tear resistant. Regarding the UV resistance of this label, an imaged label will last more than five years in an office environment. Our regular labels itself have lasted (text is readable, and bar codes scannable even though the label has turned yellow) more than five years in a typical office environment. Because of the varying nature of environmental conditions and applications the labels can be exposed to, it is difficult to affix a guarantee period for the longevity of the labels. The guarantee period will have to be determined on a case by case basis.

## Toughie Label Specifications

Application temperature	35 to 120 degrees F = +2°C to +49°C
Temperature range	-40 to 120 degrees F = -40°C to +49°C
Storage conditions	below 86 degrees F and 85% RH avoid direct sunlight
Caliper (thickness)	3,8 Mils (,0038 inch= 0,97mm)
Color	White

## Recommended Uses

Airline baggage tags  
Greasy food packages  
Ski tickets  
Heavy duty labels  
Shelf tags and more.

## Adhesive information

Adhesion to plastics	: good
Adhesion to corrugated box	: fair
Adhesion to paper	: excellent
Adhesion to metal	: excellent
Adhesion to glass	: excellent

Toughie Labels, Chemical Resistant information: This relates to image quality, the actual label or background colour may change depending on what it is exposed to but, the label will be human readable.

Resistance to water immersion	excellent for 24 hrs
Resistance to oils	excellent
Resistance to fats	excellent
Resistance to alcohol	excellent
Resistance to solvents	excellent
Resistance to plasticisers PVC films	excellent
Resistance to vinegar	good
Resistance to salt solution	good

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The Toughie Labels are available in two convenient formats:

**Part number: SLP-TRL (28mm x 89mm) : 130 labels/roll, 2 rolls/box.**

**Part number: SLP-TMRL (28mm x 51mm) : 220 labels/roll, 2 rolls/box.**

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