



Destructible labels

Type PRP and M

Technical Datasheet

TTDS-290 Revision 2
July 2024

PRP and M labels are destructible labels used to document the test and calibration status of test equipment, instruments, and systems. The test date is marked with a pen or notching pliers.

Some of the PRP labels are designed with a write-on white surface. This allows the user to add additional information e.g. date of test, operator I.D. etc. TE recommends use of the permanent marker pen ZUB-01 (1-1768050-0).

The labels are made of tamper-proof document foil. When an attempt is made to remove a label, it immediately tears into small particles.

Labels are supplied as individual sheets.

PRP AND M LABELS

Features

- Good adhesion to clean substrates
- Writable surface
- Resistance to water, petroleum-based solvents and oils
- In case of removal the label tears immediately
- Available in multiple colors, dimensions and design

Applications

- Ideal for identification of test and calibration status of test equipment, instruments, and systems.
- Industrial, Laboratory and Warehouse.

Shelf life

- Two years when following good commercial storage practice detailed below.

Storage

- Product should be stored in the original packaging, with any plastic covers which were included during shipping.
- Store out of direct sunlight in a clean, dry, dust free, environment.
- Product should be stored at approximately 21°C (70°F) and 50% R.H.

Temperature rating

- Operation Temperature Range: -40°C to +60°C (-40°F to 140°F)
- Minimum Application Temperature: 15°C (59°F)

Design for Environment

- Does not contain any RoHS (EU 2015/863) substance
- Does not contain any California Prop 65 substances.
- No restricted substances as listed in the Toxic Substances Control Act
- Further information and a downloadable declaration covering RoHS and REACH compliance can be found at the TE Product Compliance Support Centre:
- <http://www.te.com/usa-en/utilities/product-compliance.html>

Where possible, TE have tested product as a finished item, including the print. Operational tests are followed by an assessment of mark adherence to validate fit form and function.



PRP AND M LABELS

Typical Label Thickness

- Label (including adhesive): 0.072 mm / 0.0028 inch
- Liner: 0.079 mm / 0.0031 inch

Technical performance

	Requirements	Results	
Adhesion			
24 hours on a Stainless Steel plate	The film tears	Pass	
Print Permanence			
Marking of Electrical Insulating Materials, SAE AS 5942	Legible after 100 rubs 1kg weight with an eraser	Pass	
Resistance to solvents, MIL STD 202 Method 215	Legible after 30 wipes	Pass ⁽¹⁾	
Fluid Exposure			
		Adhesive/color	Written legend
• Isopropyl alcohol	Labels to remain on test plate, legible (TE doc 109-121012) and no change in pre-printed color	Pass	NA ⁽²⁾
• IRM 902 reference oil		Pass	Pass
• Molybdenum based grease		Pass	Pass
• Engine Oil 10W-40		Pass	Pass
• Diesel fuel	Samples stuck to Aluminium plates. 24 hours immersion in fluid at 23°C followed by 20 rubs, SAE AS5942	Pass	NA ⁽²⁾
• Tap water		Pass	Pass
• 5% Salt solution		Pass	Pass
• Detergent (1% solution)		Pass	Pass
Thermal performance			
Heat Ageing	Labels to remain on plate, no discoloration and legible after 168hr at 60±2°C	Pass	
Thermal cycling	Labels to remain on plate, no discoloration and legible after 10 cycles of 1hr at -40°C then 1 hr at 60°C	Pass	

Note: Write-on print performance is dependent on the pen used.

⁽¹⁾PRP35-20 hand writability does not withstand Solvent 4 (IPA)

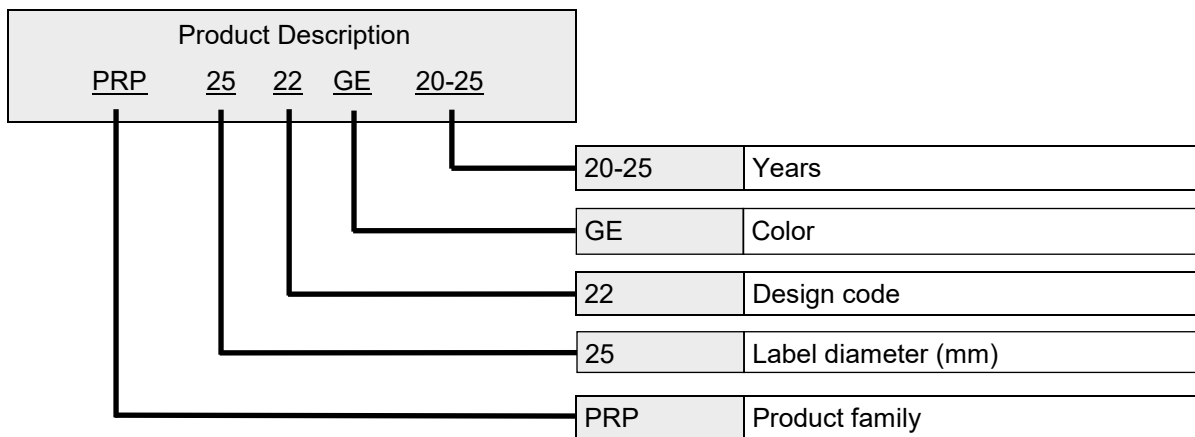
⁽²⁾PRP35-20 hand writability does not withstand these fluids






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PRP AND M LABELS

Ordering information PRP labels



Product description	Part number	Label diameter (mm)	Labels per sheet	Color	Design
PRP06-10SC23	1768427-1	6.0	20	White	 (1)
PRP15-01GE	8-1768035-9	15.0	10	Yellow	
PRP15-01RT	9-1768035-1	15.0	10	Red	
PRP20-24GN	2-1768036-1	20.0	8	Green	
PRP25-22BL20-25	8-1768425-6	25.0	6	Blue	
PRP25-22GE20-25	8-1768425-4	25.0	6	Yellow	
PRP25-22GN20-25	8-1768425-5	25.0	6	Green	
PRP25-22RT20-25	8-1768425-7	25.0	6	Red	
PRP35-20BL	3-1768036-0	35.0	5	Blue	
PRP35-20GE	3-1768036-1	35.0	5	Yellow	
PRP35-20GN	3-1768036-2	35.0	5	Green	
PRP35-20RT	3-1768036-3	35.0	5	Red	

⁽¹⁾ Not to scale

PRP AND M LABELS

Ordering information M labels

Product description	Part number	Label dimensions (mm)	Labels per sheet	Color	Design
M5031A	1878643-4	50.8 x 12.7	16	White and Red	CALIBRATION VOID IF SEAL BROKEN
M5031	1878643-3	Ø 19.1	20	White and Red	VOID IF SEAL DAMAGED
M5031C	1878643-6	Ø 19.1	20	White and Red	CALIBRATION VOID IF SEAL DAMAGED
M5031W	1878643-8	Ø 19.1	20	White and Red	WARRANTY VOID IF SEAL BROKEN

Writing information



Writing quality and performance can only be guaranteed when specific TE pen ZUB-01 is used.

PN 1-1768050-0



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