

DECAL LABEL 90.60 PP SUPER PREMIUM



“Label Stock is a line of paper, polypropylene and polyester self-adhesives substrates specially designed for product labeling. According to the different characteristics of the substrates they offer resistance to the most diverse conditions to which the packaging or product can be subjected to, without neglecting the high quality of printing, characteristic of the Decal products.”

PRODUCT DESCRIPTION

- **Substrate:** Coated High Glossy PP, with a smooth surface. It reveals high quality of printing, tear and wear resistance as well as resistance against moisture and extreme environments. This product is FDA approved.
- **Adhesive:** Permanent Acrylic “Solvent Free”, pressure sensitive
- **Liner:** Glassine
- **Common uses:** labeling of premium products, chemical industry (cleaning products) and food industry.
- **Recommended printing method:** water based

PROPERTIES OF THE FILM

	Average value	Standard used
Thickness (μm)	90	GB/T6672
Grammage (g/m ²)	108	
Shrinkage (120°C , min) (md/cd) (%)	< 5 / < 3	
Surface Energy (Dyne/cm)	>40	GB/T14216
Gloss (85°) (Gs)	55	ISO 2813
Whiteness (%)	90	GB7974
Opacity (%)	88	ISO 2471-77
Tensile Strength (md/cd) (MPa)	>50 / >100	GB/T1040
Tearing Strength (md/cd) (%)	<200 / <100	GB/T1040

PROPERTIES OF THE ADHESIVE

	Average value	Standard used
Peel Adhesion (N/25mm)	7 - 10	FINAT (FTM1/Inox/Inicial)

PROPERTIES OF THE LINER

	Average value	Standard used
Grammage (g/m ²)	60	ISO R 536
Thickness (μm)	55	ISO R 534
Release Force (cN/25mm)	30	FINAT 10

CONSIDERATIONS AND RECOMMENDATIONS

- o Application surface: not rough
- o Film not recommended for floor graphics (areas with car traffic), flexible or low energy films, painted or

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non-painted carton walls, plaster walls, wallpaper, poorly cleaned or rough surfaces, surfaces with degraded ink.

- o Do not expose to common spills or vapours.
- o Non-vertical application results in a significant decrease of the durability, as well as an inadequate climate and solar exposure. Before film usage, it is recommended that it is left at least 24h at the temperature of the workplace. Other factors not described here may influence performance in use.
- o Removal: without heat or chemicals
- o Store between 15 and 25°C and 50%RH, protected from solar exposure, in a clean dry location, in the original package. The product must be stored vertically in order to ensure that the quality is not compromised.
- o Use within 1 year of the production date, as long as kept in the closed original package.
- o An excessive quantity of paint in the product will result in changes of its characteristics, inappropriate drying and detachment of the laminate and/or poor performance.
- o Inadequate drying may result in windings, wrinkles and adhesion failures, which translates into poor performance of the product. It is recommended a minimum drying time of 24h before any additional processing. Drying should be done with the product unrolled.

IMPORTANT NOTE

- Decal can't be held accountable for the ease or speed of removal of the applied material. The air and the film's temperature have to be taken into account.
- The data provided in this technical sheet is based on our knowledge and experience. It's supposed to be a source of information and cannot be used as a guarantee. The data contained here is subject to changes without previous notice.
- The end user should determine the materials' compatibility with the intended application, prior to using it. Decal won't be held accountable for misuse or inadequate storage, and cannot therefore be responsible for losses or damages to third parties.
- Claims are only accepted if the client has the QR codes available alongside the product and placed in the production sheet.
- ISEGA center of research approved the Acrylic UV Adhesive, in accordance with the European requirements for direct contact with dry food, non-greasy. In addition to this the labels coated with the UV adhesive can be used for labelling of packaging material for food.

TEST METHODS

Adhesion – FINAT FTM1	The test is done by removing a strip, 25mm wide, at an angle of 180° from the inox steel plate with the help of a 50kg cell dynamometer. The value is measured after production and again after a period of time that allows the stabilization of the adhesive's properties, which you then compare with the values from the Quality Control tests.
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Revision Date of the Technical Data Sheet: 30.05.18

Approved by: RJ

Please, check our website for additional information www.decals-adhesive.eu/en or request any clarification needed from our technicians.