

DATA SHEET

Economical Europe-UV cold lamination-55micron CLV06090G/M - 2YR



Advantages:

- High ration of performance to price

Description:

Film: 55um \pm 5um transparent lamination film

Glue: 15g \pm 2g permanent clear acrylic pressure sensitive adhesive

Liner: 90g \pm 5g single-side PE-coated green square wood-pulp paper

Durability: 2 years

Conversion:

- Cold over laminating
- Friction fed cutters
- Electrostatic printing
- Screen printing

- Offset Printing
- Water based inkjet
- Flat bed cutters
- Die cutting

Application:

- ◆ Short-term picture protection

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Product Characteristics

Physical Properties

	Test Method	Results
Caliper, face film	GB/T6672-2001	55 micron (µm)
Caliper, liner	GB/T6672-2001	90 g/m
Tensile Strength		≥ 32 N/mm ²
Elongation		$\geq 160\%$
Shrinkage	FINAT14	< 2mm
Adhesion, initial	FINAT FTM-1, stainless steel	400N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	520N/m
Surface Tension		≥ 30 dn/cm
Release	FINAT FTM-4	15-28g/25mm
Flammability		> 10000 Min
Shelf life	Stored at 24° C/50-60 % RH	12 Month

Thermal

Application temperature:

+3° C

Temperature range:

-20° ~ 60° C

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents
Resistant to most mild acids, alkalies, and salts

Warranty

The materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorized to give guarantee, warranty, or make any representation contrary to the foregoing.

Durability

The durability is based on Eastern China exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north; in areas of long high temperature exposure, in industrially polluted areas or high altitudes, exterior performance will be decreased.

Test Methods:

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosi

