

## ATP Print

**Product: GP- 412 wg**

### Product Description:

Monomeric REACH and RoHS compliant PVC film suitable for use in a wide variety of applications with flat and slightly curved surfaces. Suitable for colour intensive and brilliant prints for short to medium term advertisement both indoor and outdoor. High adhesion to a wide variety of substrates including varying plastics, foamex, glass and aluminium. Excellent printing performance on a wide variety of solvent, eco-solvent, latex and UV digital print machines

### Product structure:

|                 |  |
|-----------------|--|
| Support         | PVC film, 100 µm, white, glossy  |
| Interliner      | One side siliconised surface-coated paper, white, 120 g/m <sup>2</sup> |
| Adhesive        | pure polyacrylic, permanent, transparent                               |
| Total Thickness | 0.12 mm  |
| Adhesive weight | 20 g/m <sup>2</sup>  |

### Characteristics:

|                                    | Average Value | Test Method |
|------------------------------------|---------------|-------------|
| Adhesion on steel: (after 20 min.) | 8 N/25mm      | AFERA 5001  |
| Adhesion on steel: (after 24 h)    | 11 N/25mm     | AFERA 5001  |
| Dimensional Stability: MD          | < -2.7%       | FTM 14      |
| Dimensional Stability: CD          | < 0%          | FTM 14      |
| Flammability:                      | B1            | DIN 4102    |

## Environmental Performance:

### Chemical resistance:

| Conditions                                 | Appearance |
|--|------------|
| 24h at room temperature and 4h in propanol | no change  |
| 24h at room temperature and 48h in water   | no change  |

### Temperature resistance:

| Conditions                                    | Appearance |
|---|------------|
| 24h at room temperature and then 24h at 80°C  | no change  |
| 24h at room temperature and then 24h at -40°C | no change  |

### Humidity resistance:

| Conditions  | Appearance |
|---|------------|
| 24h at room temperature and then 24h at 38°C and 98% humidity | no change  |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| <b>Application temperature:</b>   | min. +10°C                            |
| <b>End-Use Temperature range:</b> | from -40°C to +80°C                   |
| <b>Shelf life:</b>                | 2 years (see application information) |
| <b>Durability:</b>                | 4 years                               |

The estimated durability is based on accelerated ageing tests and refers to a vertical exposure under middle European climates. The durability of the product depends on the substrate's preparation, the atmospheric conditions and the environmental influence. Exposure to extreme conditions (tropical climate, high humidity, high UV-light exposure or polluted areas) can decrease the durability in a dramatically way.

All our products are subjected to a strict quality control by our QM-System. The information is based on our present knowledge and our experience. Because of the large number of possible influences during the processing and application of our products, this information does not release the user from the obligation to conduct his own tests and trials. Users of our products are responsible for observing any patent rights that may exist and for following existing regulations. Our applications technology section is always pleased to give advice about suitability tests on original materials.