

Honeycomb Reflective 300 µm Self-Adhesive PVC Film - TAG Digital®

TECHNICAL DATA SHEET

Description:

The **Honeycomb Reflective 300 µm Self-Adhesive PVC Film - TAG Digital®** is a retro-reflective material based on microprism technology, designed for signage, safety markings and applications requiring high visibility.

Characteristics:

With a thickness of 300 µm, this monomeric PVC film offers excellent strength and durability while maintaining flexibility. It is coated with a permanent solvent-based adhesive, ensuring reliable adhesion to a wide range of surfaces. It is protected by a 90 g/m² PE-coated release liner.

Printing:

Compatible with digital and screen printing inks.

Application guidelines:

The presence of solvent components in inks may soften the film and increase its stretchability. A drying time of approximately 24 hours is recommended before lamination or application.

Without proper drying, solvent vapours may cause application difficulties and reduce adhesion to the substrate.

Durability:

The maximum recommended duration of use is 2 years.

Removability on glass: up to 1 year at 23–25°C. Adhesion increases over time.

Storage:

1 year when stored between 15°C and 25°C and 45–55% relative humidity in the original packaging.

Adhesion:

Peel strength 180° (FTM 1): 10 N/25 mm ± 1

Initial adhesion (FTM 9): 9 N/25 mm ± 1

Application temperature: 10°C to 40°C

Service temperature: -20°C to +60°C

Reflective characters:

Table- Retroreflective Values

observation angle	entrance angle	For white (R') (cd/lux/m2)
12°	5°	352
	15°	291
	40°	20
20°	5°	265
	15°	225
	40°	18
1°	5°	124
	15°	98
	40°	5

Product reference:

Honeycomb Reflective 300 µm Self-Adhesive PVC Film	1.24 x 25 m	RFLX-PVC-HC-300-124025
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Note:

The information in this data sheet is based on laboratory tests and experience gained in practice. It does not constitute a legal guarantee. A test prior to use must be carried out.

Durability is estimated based on exposure conditions in Central Europe. The actual life of the product depends on substrate preparation, exposure conditions and maintenance of the marking. Outdoor performance degradation can be expected when the films are exposed southward, if applied in areas with high temperatures such as Southern European countries, or in polluted areas.