

GV306

CAST VINYL



Description

Altec GV306 labels are flexible cast vinyl films suitable for conforming to curved and textured surfaces, including most low surface energy plastics and small diameter applications. These film materials utilize high initial tack and excellent adhesion to a variety of surfaces including high surface energy (HSE) and low surface energy (LSE) plastics such as polyethylene.

Material	Bright cast vinyl
Adhesive	High tenacity acrylic 1.0 mil (25 micron)
Liner	90gsm C2S Yellow Glassine Liner

Physical data

Physical properties		
Liner release	Targets: 12 g/1 in.	TLMI Method, 180° removal, 90 in./min., 1" width
Service temperature short term	-76°F to 302°F (-60°C to 150°C)	
Service temperature permanent	-76°F to 203°F (-60°C to 95°C)	
Minimum application temperature	50°F (10°C)	
Performance life to vertical surfaces	Outdoor: Minimum 5 years / Indoor: Unlimited	
Convertability	The acrylic adhesive is specifically designed to be compatible with flexographic and thermal transfer technologies. Its aggressive tack properties, while desirable for the end use application, may require extra care during processing.	

Typical peel adhesion		Initial (48 hour Dwell/RT)
Surface	Oz./in.	N/100 mm
Stainless steel	102	110
Aluminium	95	103
Chrome	80	86
Acrylic paint	80	86
ABS plastic	80	86
Polypropylene	59	64

Environmental performance		
Liquid	Dwell time / Exposure condition	Results
Salt spray – 20% @ 95°F (35°C)	240 hours	No change
Transformer oil @ room temp.	24 hours	No change
Diesel fuel @ room temp.	8 hours	No change
Water @ room temp.	150 hours	No change

Humidity resistance:

200 hours at 100°F (38°C) and 95% relative humidity: no change

Weather resistance:

1.000 hours accelerated weathering in Xenon Tester: no change

Features

- Designed to be dimensionally-stable and can withstand more than five years of outdoor exposure, including ultraviolet light, temperature extremes and solvents. Their thin caliper and flexibility allow for conformance to small diameter and complex curved surfaces.
- The liner is designed for rotary, roll to roll applications. The backside of this liner is not printable. This liner is not suitable for roll to sheet and other layflat applications.

Storage & Shelf life

Store at room temperature conditions of 72°F (22°C) and 50% relative humidity.

If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.

Application

For maximum bond strength, surface should be clean and dry. A typical cleaning solvent is heptane or isopropyl alcohol. Note: Consult MSDS for proper handling and storage of solvents. For best conditions, application surface should be at room temperature or higher. Low temperature surfaces (below 50°F [10°C]) can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Processed labels should be stored in polyethylene bags to protect against moisture.

Compliances

UL Recognized (File MH11410) and CSA Accepted (File 099316). See UL and CSA files for additional details.

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