

GENERAL FORMULATIONS

GF203OAPAE

3mil Pressure Sensitive Adhesive Vinyl
Air Egress for Smooth, Bubble-free Application

Common Uses
Windows, Walls, Promotions, Retail, Event Graphics & More

Longevity
Long-term (5 Years)

Environment
Indoor & Outdoor

Print Sides
Single-sided

Size Options
Custom Size

Options
Contour Cut
Gloss, Matte or No Laminate

Technical Data >

TECHNICAL DATA SHEET

PROPERTIES

GF 203OAPAE is a 3.0 mil polymeric gloss white flexible calendered vinyl film coated with a grey permanent acrylic pressure sensitive adhesive with a 90# air egress lay-flat liner. The grey adhesive creates a permanent bond to a variety of common substrates used in graphics applications. The 90# air-egress lay-flat liner offers excellent product lay-flat in a variety of ambient conditions along with ease of application of large format graphics.

PHYSICAL CHARACTERISTICS

Film Type: White Polymeric Vinyl
Film Thickness (mils/µm): 3.0/76 (+/- 10%)
Film Weight (gsm): 104
Gloss (60°): >80
Opacity (%): >99
Tensile Strength (lbs/in): MD > 3500/CD > 3500
Elongation (%): MD > 200/CD > 200
Dimensional Stability (FTM 14): MD < 0.80 mm/CD < 0.30 mm
Adhesive Type: Emulsion Acrylic
Adhesive Thickness (mils/µm): 0.8-1.1/20-28
Adhesive Color: Grey
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 15min: 2.7/12
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 24hrs: 3.9/17
Liner Weight (#/gsm): 100/160
Liner Type: White 2-Sided PE Coated Kraft Air-Egress
Liner Thickness (mils/µm): 7.8/198
Release Force @ 300”/min (g/2”): 55-75
Application Temperature: ≥ +40°F
Service Temperature: -40°F to 180°F
Outdoor Durability: Up to 5 years

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LAMINATE DATA

GLOSS LAMINATE

Film Type: Clear Intermediate Vinyl
Film Thickness (mils/µm): 3.0/76 (+/- 10%)
Film Weight (gsm): 100
Gloss (60°): >70
Opacity (%): N/A
Tensile Strength (psi): MD > 4000/CD > 3600
Elongation (%): MD > 225/CD > 250
Dimensional Stability (FTM 14): MD ≤ 1.20 mm/CD ≤ 0.80 mm
Adhesive Type: Emulsion Acrylic
Adhesive Thickness (mils/µm): 0.8-1.1/20-28
Adhesive Color: Clear
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 15min: 2.8/12
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 24hrs: 4.5/20
Liner Weight (#/gsm): 53/86
Liner Type: White PE-Coated 1 side Kraft
Liner Thickness (mils/µm): 3.5/89
Release Force @ 300”/min (g/2”): 10-40
Application Temperature: ≥ +40°F
Service Temperature: -40°F to 180°F
Outdoor Durability: Up to 4 years

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MATTE LAMINATE

Film Type: Clear Intermediate Vinyl
Film Thickness (mils/um): 3.0/76 (+/- 10%)
Film Weight (gsm): 95
Gloss (60°): ≤20
Opacity (%): N/A
Tensile Strength (psi): MD > 4000/CD > 3600
Elongation (%): MD ≥ 225 / CD ≥ 250
Dimensional Stability (FTM 14): MD ≤ 1.20 mm/CD ≤ .80 mm
Adhesive Type: Emulsion Acrylic
Adhesive Thickness (mils/um): 0.8-1.1/20-28
Adhesive Color: Clear
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 15min: 2.8/12
Peel Strength on Stainless Steel (lbs/in)/(N/25mm) 24hrs: 4.5/20
Liner Weight (#/gsm): 53/86
Liner Type: White PE-Coated 1 side Kraft
Liner Thickness (mils/um): 3.5/89
Release Force @ 300"/min (g/2"): 10-40
Application Temperature: ≥ +40°F
Service Temperature: -40°F to 180°F
Storage Temp/Rel. Humidity: 70°F/50%
Outdoor Durability: Up to 4 years