

PRODUCT INFORMATION BULLETIN

DPF 4590MT Vinyl Film

Intermediate Calendered Digital Print Pressure Sensitive Film

PRODUCT DESCRIPTION

DPF 4590MT is a 3-mil matte white calendered film with tinted, permanent pressure-sensitive adhesive. Designed for indoor and outdoor promotional graphics, DPF 4590MT is made of 100% polymeric face stock with a poly-coated liner. The special tinted adhesive system is designed for opacity to directly cover existing graphics or dark substrates. DPF 4590MT is rated for outdoor durability up to 5 years (unprinted). Printed durability is dependent on the ink system used.

AREAS OF USE

- Digital printing with a wide variety of direct print systems
- Promotional and merchandising graphics
- Shorter-term signage, kiosks, POP displays, real estate signage, transit graphics, fleet or vehicle markings and decals

PERFORMANCE AND PHYSICAL DATA

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter 60° Reflection	≤20 units	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	0.0041 in	0.10 mm
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	13.0 lb/in width	2.3 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥150%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 90°F optimum	10°C to 32°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 150°F	-40°C to 65° C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	25 mils	0.63 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	3.5 lbs/in	0.63 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	30 g/2 in	6 g/cm

CONDITIONS OF SALE

The following is made in lieu of all warranties expressed or implied:

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