



▶ DPF 8000 Clear Vinyl Film

Industrial Grade Digital Print Pressure-Sensitive Film

DPF 8000 Clear is a 3-mil (75 micron) luster clear vinyl film with an aggressive permanent pressure-sensitive adhesive. Designed for indoor and outdoor graphics, DPF 8000 Clear is made of an engineering-grade face stock with a polycoated lay-flat liner. The special adhesive is designed to stick to “hard-to-stick” and low energy surfaces. The film is designed for applications on flat surfaces when processed and applied according to Arlon recommendations. DPF 8000 Clear is rated for outdoor durability up to 5 years (unprinted). Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- Digital printing on a wide variety of direct print systems.
- Polyolefin plastic surfaces such as polyethylene, polypropylene, polyurethane, etc.
- Low energy surfaces.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	45%	
THICKNESS	Micrometer, Federal Bench Type	3-mil (75 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s),	15.0 lb/in width	2.68 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	60°F to 90°F optimum	16°C to 32°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours aging	50-mils	1270 micron
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	5.0 lbs/in	0.893 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	50 g/2 in	9.8 g/cm

*Standard Terms & Conditions Apply

PREPARATION & INSTALLATION

DPF 8000 Clear owes its very high bond to the softness of the adhesive. The trade off for high tack and adhesion is greater than normal shrinkage. When decorating DPF 8000 Clear with screen or digital printing the solvent involved will penetrate both the vinyl and adhesive at the time of printing. If the printing solvents aren't completely removed before installation the resultant graphic will show very high shrinkage and edge curl. When printing this product be vigilant about drying the finished decal completely before laminating, top coating or installing.

TERMS & CONDITIONS

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