

PRODUCT INFORMATION BULLETIN

Overlaminates

Series 3220/3230: 2-Mil Cast Vinyl

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| ■ Premium 2-mil cast vinyl | ■ Series 3220: Glossy finish
Series 3230: Matte finish |
| ■ Outdoor durability, fade resistant, chemical resistant and contains UV inhibitors | ■ For use as protective overlaminate with the DPF Imaging products |
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<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter, 60° Reflection	80 units (gloss) 5 units (matte)	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	ENGLISH .0032 in	METRIC .08 mm
TENSILE STRENGTH	Tensile tester with 2 in (50.8 mm) jaw separation crosshead speed of 12 in/min. (5.08mm/s), web direction	≥4.5 lb/in	≥0.8 kg/cm
ELONGATION	Instron Tensile Tester as above	150%	
SHELF LIFE	Free from excessive moisture, temperatures, direct sunlight	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean substrate	40°F to 120°F 60°F to 90°F optimum	5°C to 50°C 15°C to 30°C optimum
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior testing.	-40°F to 200°F	-40°C to 95°C
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours	No appreciable effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. Immersed 30 minutes at 70°F (21°C), stabilized 24 hours before inspection.	No appreciable effect	
DIMENSIONAL STABILITY	158°F, 48 hours/70°C, 48 hours	.010 - .020 in	.25 - .50 mm
PEEL ADHESION	PSTC-1 (15 min)	60 oz/in	.65 kg/cm
LINER RELEASE	TLMI 300 in/min. (127 mm/s) 2 in. (51mm) wide sample	150 g/2 in	30 g/cm
DURABILITY	Durability of ink jet printed graphics is determined by the ink.		

OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility.

Arlon 3220 / 3230 will resist weathering best when applied to vertical or upper outboard angles.

Horizontal angles such as hood, trunk and auto roof surfaces will weather significantly sooner than vertical. This is due to increased exposure to sun and moisture as well as continued high deposition of dirt and atmospheric contaminants.

Arlon does not recommend its Arlon 3220 / 3230 for horizontal and close horizontal applications.



www.arlon.com

USA

2811 S. Harbor Blvd
Santa Ana, CA 92704
Phone: (714) 540-2811 / (800) 854-0361
Fax: (714) 540-7190 / (800) 329-2756

EUROPE

Badhuisweg 11
2587 CA Den Haag
The Netherlands
Phone: +31 (0) 70 354-4311
Fax: +31 (0) 70 355-7721

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