

Data Sheet

AVAILABLE PERFORATIONS

Perforation Style	Nominal Hole Diameter	Description Inches	Description mm	Maximum Width
P	1.143 mm (0.045 inch)	Staggered 0.25 inch center	Staggered 6.3 mm center	182.9 cm (72 inches)
P1	1.143 mm (0.045 inch)	Staggered 0.25 inch 0.50 inch	Staggered 6.3 mm 1.27 mm	182.9 cm (72 inches)
P2	Pierced / (N/A)	Staggered 0.50 inch center	Staggered 12.7 mm center	182.9 cm (72 inches)
P3*	0.381 mm (0.015 inch)	Staggered 0.25 inch center	Staggered 6.3 mm center	182.9 cm (72 inches)
P4	1.143 mm (0.045 inch)	2 inches center	50.8 mm center	182.9 cm (72 inches)
P5	1.143 mm (0.045 inch)	3.5 inches center	88.9 mm center	182.9 cm (72 inches)
P6*	0.381 mm (0.015 inch)	2 inches center	50.8 mm center	162.6 cm (64 inches)
P7*	0.381 mm (0.015 inch)	3 inches center	76.2 mm	162.6 cm (64 inches)
P8*	0.381 mm (0.015 inch)	8 inches center	203.2 mm center	64 inches (162.6 cm)
P10	1.143 mm (0.045 inch)	10 inches center	254.0 mm center	182.9 cm (72 inches)
P11*	0.381 mm (0.015 inch)	Random Pattern	Random Pattern	182.9 cm (72 inches)
P16*	0.406 mm (0.016 inch)	Staggered 0.118 inch center	Staggered 3.0 mm center	182.9 cm (72 inches)
P31*	0.381 mm (0.015 inch)	1 inch center	25.4 mm center	162.6 cm (64 inches)
P34	1.143 mm (0.045 inch)	Staggered 0.50 inch center	Staggered 12.7 mm center	182.9 cm (72 inches)
MP22*	0.406mm (0.016 inch)	Staggered 0.059 inch center	Staggered 1.5 mm center	182.9 cm (72 inches)
MP25	0.127 mm (0.005 inch)	Staggered 0.040 inch 0.079 inch	Staggered 1.0 mm 2.0 mm	182.9 cm (72 inches)

*Nominal Hole Diameter for Wrightlon® 5200 and A4000 are 0.279 mm (0.0110 inch).

NOTES

- Spacing is approximate.
- Various perforation methods can be utilized including and not limited to die stamping, laser, hot pin roller, needle punching, and pinwheel. The nominal dimensions quoted above may vary due to style of perforation, film type perforated, and film thickness. Testing should be done to ensure the material in the perforation style you have chosen will work for your individual application.
- Minimums are required for some perforation patterns when not in stock.

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Catalogue position : [Release films](#)

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Data Sheet

RESIN COMPATIBILITY

Release film selection guide

NOTE

The following guideline is intended for reference only. Tygavac cannot control processing parameters or test all the materials available. Release film samples are available. Risk reduction panel testing is strongly recommended. Film selection should be based on temperature requirement.

Maximum Use Temperature	Release Films	Resin Type				
		Epoxy	Polyester and Vinylester	Phenolic	Bismaleimide BMI	Cyanate Ester
93°C (200°F)	Wrightlon® 3800	✓	✓	✓	X	X
121°C (250°F)	Wrightlon® 3700	✓	✓	X	X	X
141°C (285°F)	Dahlar® Release Bag 125	✓	✓	✓	✓	✓
157°C (315°F)	Wrightlon® 3900	✓	✓	✓	✓	✓
193°C (380°F)	Wrightlon® 4600	✓	X	✓	✓	✓
204°C (400°F)	Wrightlon® 4500	✓	✓	✓	✓	✓
220°C (428°F)	RF242	✓	✓	✓	✓	✓
260°C (500°F)	Wrightlon® 5200	✓	✓	✓	✓	✓
260°C (500°F)	A4000	✓	✓	✓	✓	✓
260°C (500°F)	RF260	✓	✓	✓	✓	✓
260°C (500°F)	TF125	✓	✓	✓	✓	✓
315°C (600°F)	Airtech MR1 / MR 2	✓	✓	✓	✓	✓

Key
✓ Compatible
X Avoid

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Catalogue position : [Release films](#)

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COMMONLY USED SIZES

Release Films

WRIGHTLON® 5200

Thickness	Width	Length	Weight/Roll	Forms Available*
15 µm (0.0006 inch)	1.22 m (48 inches)	366 m (1200 feet)	12 kg (26 lbs)	SHT
20 µm (0.0008 inch)	1.22 m (48 inches)	183 m (600 feet)	8 kg (17 lbs)	SHT
20 µm (0.0008 inch)	1.52 m (60 inches)	183 m (600 feet)	11 kg (22 lbs)	SHT
25 µm (0.001 inch)	1.22 m (48 inches)	183 m (600 feet)	10 kg (22 lbs)	SHT
25 µm (0.001 inch)	1.52 m (60 inches)	183 m (600 feet)	13 kg (28 lbs)	SHT
50 µm (0.002 inch)	1.52 m (60 inches)	91 m (300 feet)	13 kg (28 lbs)	SHT

A4000

Thickness	Width	Length	Weight/Roll	Forms Available*
20 µm (0.0008 inch)	1.22 m (48 inches)	183 m (600 feet)	10 kg (22 lbs)	SHT
20 µm (0.0008 inch)	1.52 m (60 inches)	183 m (600 feet)	12 kg (27 lbs)	SHT
25 µm (0.001 inch)	1.22 m (48 inches)	183 m (600 feet)	12 kg (27 lbs)	SHT
25 µm (0.001 inch)	1.52 m (60 inches)	183 m (600 feet)	15 kg (34 lbs)	SHT
50 µm (0.002 inch)	1.52 m (60 inches)	91 m (300 feet)	15 kg (34 lbs)	SHT

WRIGHTLON® 3700

Thickness	Width	Length	Weight/Roll	Forms Available*
25 µm (0.001 inch)	1.52 m (60 inches)	610 m (2000 feet)	23 kg (50 lbs)	SHT
25 µm (0.001 inch)	2 m (79 inches)	610 m (2000 feet)	30 kg (65 lbs)	SHT
50 µm (0.002 inch)	1.52 m (60 inches)	305 m (1000 feet)	23 kg (50 lbs)	SHT
50 µm (0.002 inch)	2 m (79 inches)	305 m (1000 feet)	30 kg (65 lbs)	SHT

WRIGHTLON® 3900

Thickness	Width	Length	Weight/Roll	Forms Available*
25 µm (0.001 inch)	1.52 m (60 inches)	1000 m (3280 feet)	35 kg (77 lbs)	SHT
30 µm (0.0012 inch)	1.22 m (48 inches)	1000 m (3280 feet)	33 kg (73 lbs)	SHT
30 µm (0.0012 inch)	1.52 m (60 inches)	1000 m (3280 feet)	41 kg (91 lbs)	SHT
50 µm (0.002 inch)	1.09 m (43 inches)	500 m (1640 feet)	27 kg (60 lbs)	SHT
50 µm (0.002 inch)	1.43 m (56 inches)	500 m (1640 feet)	35 kg (77 lbs)	SHT
50 µm (0.002 inch)	1.52 m (60 inches)	500 m (1640 feet)	37 kg (82 lbs)	SHT



*SHT=Sheeting



CF=Centerfold

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Catalogue position : [Release films](#)

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COMMONLY USED SIZES

Release Films

■ WRIGHTLON® 4600

Thickness	Width	Length	Weight/Roll	Forms Available*
38 µm (0.0015 inch)	1.52 m (60 inches)	508 m (1668 feet)	25 kg (55 lbs)	SHT
38 µm (0.0015 inch)	3.05 m (120 inches)	508 m (1668 feet)	49 kg (108 lbs)	CF to 1.52 m (60 inches)
50 µm (0.002 inch)	1.37 m (54 inches)	457 m (1500 feet)	27 kg (60 lbs)	SHT

■ DAHLAR® RELEASE BAG 125

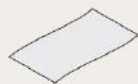
Thickness	Width	Length	Weight/Roll	Forms Available*
25 µm (0.001 inch)	1.52 m (60 inches)	61 m (200 feet)	2 kg (5 lbs)	SHT
25 µm (0.001 inch)	1.52 m (60 inches)	610 m (2000 feet)	20 kg (50 lbs)	SHT
50 µm (0.002 inch)	1.52 m (60 inches)	610 m (2000 feet)	43 kg (95 lbs)	SHT
50 µm (0.002 inch)	3.05 m (120 inches)	305 m (1000 feet)	43 kg (95 lbs)	CF to 1.52 m (60 inches)

■ RF242

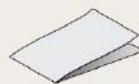
Thickness	Width	Length	Weight/Roll	Forms Available*
15 µm (0.0006 inch)	1.22 m (48 inches)	500 m (1640 feet)	16 kg (35 lbs)	SHT
20 µm (0.0008 inch)	1.22 m (48 inches)	183 m (600 feet)	8 kg (17 lbs)	SHT
25 µm (0.001 inch)	1.52 m (60 inches)	183 m (600 feet)	11 kg (24 lbs)	SHT

■ RF260

Thickness	Width	Length	Weight/Roll	Forms Available*
20 µm (0.0008 inch)	1.22 m (48 inches)	180 m (591 feet)	10 kg (22 lbs)	SHT
40 µm (0.0014 inch)	1.22 m (48 inches)	100 m (328 feet)	11 kg (24 lbs)	SHT



*SHT=Sheeting



CF=Centerfold

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