

DATA SHEET

NON-COATED PEEL PLIES

Description

Release Ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. **Release Ply** fabrics may reduce or eliminate the need for sanding or abrading. The various weave styles should provide a match for your specific application. The fabrics are scoured and heat set (unless specified) to remove most contaminants and reduce shrinkage.

Application

- Release Ply A** Highly drapable nylon peel ply with a more "open" weave style.
- Release Ply Super A** A heavy duty version of **Release Ply A**, providing more tear resistance in resin rich areas.
- Stitch Ply A** A similar version of **Release Ply A** with red tracers (pin stripe) for easier identification on the laminate.
- Release Ply B** This is our tightest weave nylon peel ply that produces a "fine" texture.
- Release Ply C** This is our tightest weave polyester peel ply when extra strength is needed.
- Release Ply F** This polyester peel ply is designed to be drapable yet provide superior strength.
- Release Ply Super F** A heavy duty version of **Release Ply F**.
- Release Ply G** A tight woven polyester with excellent strength.
- Stitch Ply G** A similar version of **Release Ply G** with black tracers (pin stripes) for easy identification on the laminate, on 2" (5cm) centers.
- Release Ply Super G** A heavy duty version of **Release Ply G**.
- Ultra Ply 22T** This unique polyester peel ply is woven on the bias for excellent strength yet very drapable.

CATALOG POSITION: RELEASE FABRICS

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Product	Color	Yarn Type	Fabric Construction End/in. x Picks/in. (Ends/dm x Picks/dm)	Weight oz./yd ² (g/m ²)	Thickness in. (cm)	Grab Tensile lbs. (N)	Extractable % by weight	Maximum Recommended Use Temperature ⁽¹⁾ °F. (°C.)	Standard Roll Width in. (cm)	Standard Roll Length yd. (m)
Release Ply A	Off-White	Nylon	40 x 40 (158 x 158)	2.34 (79)	0.0058 (0.015)	150 x 150 (667 x 667)	N/A	450 (232)	46 (117) 60 (152)	250 (229) 250 (229)
Release Ply Super A	White	Nylon	80 x 62 (315 x 244)	4.10 (139)	0.0090 (0.023)	300 x 250 (1334 x 1112)	0.5	450 (232)	60 (152)	250 (229) 250 (229)
Stitch Ply A	White w/ Red Tracer	Nylon	45 x 45 (177 x 177)	2.54 (86)	0.0067 (0.017)	145 x 145 (645 x 645)	0.5	450 (232)	60 (152)	100 (91)
Release Ply B	White	Nylon	104 x 87 (409 x 343)	1.83 (62)	0.0045 (0.011)	120 x 100 (534 x 445)	0.5	450 (232)	46 (117) 60 (152)	250 (229) 250 (229)
Release Ply C	White	Polyester	104 x 84 (409 x 331)	1.90 (64)	0.0040 (0.010)	110 x 90 (489 x 400)	0.5	400 (204)	46 (117) 60 (152)	250 (229) 250 (229)
Release Ply F	White	Polyester	76 x 54 (299 x 213)	2.81 (95)	0.0060 (0.015)	150 x 110 (667 x 489)	0.5	400 (204)	46 (117) 60 (152)	250 (229) 250 (229)
Release Ply Super F	White	Polyester	90 x 64 (354 x 252)	3.35 (114)	0.0065 (0.017)	200 x 150 (890 x 667)	0.5	400 (204)	60 (152)	250 (229)
Release Ply G	White	Polyester	120 x 64 (472 x 252)	2.50 (85)	0.0050 (0.013)	140 x 160 (623 x 712)	0.5	400 (204)	44 (112) 60 (152)	250 (229) 250 (229)
Stitch Ply G	White w/Black Tracer	Polyester	120 x 64 (472 x 252)	2.50 (85)	0.0050 (0.013)	140 x 160 (623 x 712)	0.5	400 (204)	60 (152)	250 (229)
Release Ply Super G	White	Polyester	56x40 (220 x 157)	3.40 (115)	0.0070 (0.018)	200 x 140 (890 x 623)	0.5	400 (204)	60 (152)	250 (229)
Ultra Ply 22T	White	Polyester	77x 64 (303 x 252)	2.80 (95)	0.0065 (0.017)	145 x 115 (645 x 512)	0.5	400 (204)	60 (152)	250 (229)

1) Maximum recommended use temperature is dependant upon the duration at maximum temperature and is process specific. Airtech recommends testing prior to use. All values shown are nominal. Hot knife slitting upon request. Roll width tolerance is ±1 in. (±2.54 cm). All materials have an 18 month shelf life.

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