

## Data Sheet

## RELEASE PLY A & RELEASE PLY SUPER A

### Non-coated nylon peel ply

### 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. These fabrics are scoured, and heat set to remove contaminants and reduce shrinkage.

Release Ply A is a highly drapable nylon peel ply with a more open weave style. Release Ply Super A is a heavy duty, highly drapable nylon peel ply with a more open weave style.

### BENEFITS

- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Less time abrading in preparation for secondary bonding or painting.
- Highly drapable weave style can be applied over shaped parts easily.
- Heavy duty version of Release Ply A is stronger to resist tearing in tougher applications.

### TECHNICAL DATA

|                                  | Release Ply A                                                  | Release Ply Super A                                            |
|----------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Maximum use temperature          | 232°C (450°F)                                                  | 232°C (450°F)                                                  |
| Fibre type                       | Nylon                                                          | Nylon                                                          |
| Fabric construction: warp x fill | 158 x 158 ends/ dm x picks/ dm<br>(40 x 40 ends/in x picks/in) | 315 x 244 ends/ dm x picks/ dm<br>(80 x 62 ends/in x picks/in) |
| Weight                           | 80 g/m <sup>2</sup> (2.34 oz/yd <sup>2</sup> )                 | 139 g/m <sup>2</sup> (4.10 oz/yd <sup>2</sup> )                |
| Thickness                        | 0.152 mm (0.006 inch)                                          | 0.228 mm (0.009 inch)                                          |
| Colour                           | Off-white                                                      | Off-white                                                      |
| Extractables                     | < 0.5 % by weight                                              | < 0.5 % by weight                                              |
| Shelf life                       | Unlimited when stored in original packaging at 22°C (72°F)     |                                                                |

### SIZES

|                     | Width              | Length            | Packaging |
|---------------------|--------------------|-------------------|-----------|
| Release Ply A       | 152 cm (60 inches) | 200 m (219 yards) | 1 roll    |
| Release Ply Super A | 152 cm (60 inches) | 229 m (250 yards) | 1 roll    |

### NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Not recommended for use against phenolic resins.