

Product

NYLON PEEL PLY

 V769 85 g/m² PA6 · V771 105 g/m² PA66

DESCRIPTION

Peel ply is applied as a sacrificial layer over a resin / fibre-reinforced laminate. Once the resin cures the peel ply is pulled away, shearing the resin at the release fabric interface and taking that resin layer with it — along with surface contamination, trapped air, surface irregularities and amine blush. The laminate is left clean, textured and matte, giving excellent secondary bonding with little or no sanding.

Both grades are heat-set and scoured nylon, suitable for hand lay-up, vacuum bagging and resin infusion, and compatible with polyester, vinyl ester and epoxy systems. A coloured trace is woven in to make identification easy and reduce the risk of the ply being left on the part — red for V769 (85 g/m² PA6, to 190 °C), blue for V771 (105 g/m² PA66, to 210 °C).

BENEFITS

- Leaves a clean, textured matte surface — excellent secondary bonding with little or no sanding
- Removes surface contamination, trapped air, irregularities and amine blush from the laminate
- Heat-set and scoured nylon, compatible with polyester, vinyl ester and epoxy systems
- Suits hand lay-up, vacuum bagging and resin infusion
- Woven colour trace — red for V769, blue for V771 — for easy identification and removal checks

TECHNICAL DATA

PROPERTY	85 g/m ² PA6 (V769)	105 g/m ² PA66 (V771)
MATERIAL TYPE	Nylon PA6	Nylon PA66
WEIGHT	85 g/m ² ± 5%	105 g/m ² ± 5%
THICKNESS	0.10 – 0.15 mm	0.15 – 0.20 mm
WEAVE DENSITY	(19 x 16) ± 5% lines/cm	(21 x 19.5) ± 5% lines/cm
TENSILE STRENGTH — WARP	≥ 1400 N/5 cm	≥ 1700 N/5 cm
TENSILE STRENGTH — WEFT	≥ 1200 N/5 cm	≥ 1600 N/5 cm
MAX USE TEMPERATURE	190 °C	210 °C
COATING	None	None
FINISH	Heat set and scoured	Heat set and scoured
APPEARANCE	White with red stripes	White with blue stripes
RESIN COMPATIBILITY	Polyester, vinyl ester and epoxy	Polyester, vinyl ester and epoxy
PROCESSES	Hand lay-up, vacuum bagging, resin infusion	Hand lay-up, vacuum bagging, resin infusion
STORAGE	Store on the packaging roll, dry and clean	Store on the packaging roll, dry and clean

Test methods: material FZ/T 01057-2007 · weave density FZ/T 01093-2008 · weight GB/T 4669-2008 · tensile strength ISO 13934.1 · thickness ISO 5084:1996. Max use temperature is ATL's recommended working limit; the cloth itself is rated to 200 °C (PA6) and 230 °C (PA66). Amine blush is a water-soluble by-product of the epoxy cure that can clog abrasives and inhibit bonding if not removed.

PART	TRACE	DESCRIPTION	PROCESS TEMP	WEIGHT GSM	WIDTH MM	LENGTH LM
0V771	●	Nylon Peel-Ply White	210°C	105	1300	100
5V771	●	Nylon Peel-Ply White	210°C	105	1300	50
1V771	●	Nylon Peel-Ply White	210°C	105	1300	10
0V769	●	Nylon Peel-Ply White	190°C	85	1300	100
1V769	●	Nylon Peel-Ply White	190°C	85	1300	10
V769T250	●	Nylon Peel-Ply White	190°C	85	250	100

Trace: ● blue = 105 g/m² PA66 (V771 series) ● red = 85 g/m² PA6 (V769 series). V769T250 is a 250 mm tape width for bond lines, scarf joints and local reinforcement. Additional tape widths are available per special order.

DISCLAIMER

The information in this Technical Data Sheet is provided in good faith as general guidance only. Values stated are typical properties and should not be interpreted as guaranteed performance, specification limits, or design data. Product performance may vary depending on manufacturing processes, application methods, service conditions, storage, handling, and other factors beyond the control of ATL Composites Pty Ltd.

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