

Synthetic veils for Pultrusion

Norafin Industries (Germany) GmbH have introduced a range of synthetic surfacing veils for pultrusion based on polyester fibres. With specifications designed to complement the pultrusion process, the product characteristics are highlighted below:

- Product 00164** a 40 g/m² 'flat', white binder-free polyester designed to give excellent coverage and reduced reinforcement print through
- Product 02071** a 40 g/m² fine aperture, binder-free polyester veil with higher wet-out rates and giving a characteristic patterned surface
- Product 00196** a 60 g/m² 'flat', black binder-free polyester veil made using fine denier, solution dyed black fibres designed to give full even black colour with no bleed of colour into the resin
- Product 00413** a 40 g/m² 'flat' white polyester with added binder to give high 'stiffness' for improved dimensional stability, reduced necking and wrinkling for use with higher tension processing

Nominal specifications of the synthetic veils in this product range are given in the table below:

	00164	02071	00196	00413
Product description	100% PET, white	100% PET, white	100% PET, black	100% PET, white
Finish	Flat	Fine aperture	Flat	Flat + binder
Areal Weight	40 g/m ²	40 g/m ²	60 g/m ²	40 g/m ²
Thickness	0.40 mm	0.56 mm	0.58 mm	0.36 mm
Tensile Strength MD	130 N/50 mm	120 N/50 mm	200 N/50 mm	130 N/ 50 mm
Tensile Strength CD	75 N/50 mm	70 N/50 mm	125 N/50 mm	75 N/50 mm
Elongation MD	30%	35%	35%	15%
Elongation CD	65%	67%	60%	55%
Binder added	None	None	None	< 5%

The data contained herein are nominal and are not intended to be a guaranteed specification. Full TDS, including test standards available on request. The user must be satisfied that the product is entirely suitable for the purpose.

Synthetic veils for pultrusion are available pre-slit to customer specified widths and lengths or as full rolls for customer slitting.