

## PRODUCT INFORMATION

# NOWOCABLE FOAM POLYPROP

## PRODUCT DESCRIPTION

NOWOCABLE PPF is a mono-oriented and foamed Polypropylene film with a closed cell structure. This film type is also used for insulation, separating, and bundling in telecommunication, power, and signal cables.

## TECHNICAL INFORMATION

PROPERTIES			UNIT	TEST METHOD	AVERAGE VALUES			
Thickness	µm	DIN 53370	80	90	125	170	300	
Tol. In Thickness	%	DIN 53370	± 12	±12	±10	±10	±10	
Weight	g/m <sup>2</sup>	DIN 53352	43.0	48.0	65.0	89.0	160.0	
Tol. In Weight	%	DIN 53352	±8	±8	±7	±7	±7	
Density	g/cm <sup>3</sup>	DIN 53479	APP. 0.52					
Tensile Strength (M.D)	N/mm <sup>2</sup>	DIN EN ISO 527-1	90	90	100	85	80	
Elongation at break (m.d)	%	DIN EN ISO 527-1	15					
Tensile strength at 5% elongation	N/mm <sup>2</sup>	DIN EN ISO 527-1	35	35	40	30	25	
Shrinkage at 100°C /10 min.(hot air)	%	DIN 40634	3					
Relative permittivity		DIN 53483	≥1.2	≥ 1.2	≥1.3	≥1.3	≥1.3	
Breakdown voltage	Kv	DIN 53481	≥ 1.3	≥1.3	≥1.5	≥2.0	≥2.0	
Specific resistance	□ x cm	DIN 53482	APP.1015					
Resistance of thermal conductance	w/mk	DIN 52612	0.08					
Copper resistance			After ageing the film on copper at 100°C, the tape exhibits no perceptible deterioration of its physical properties after 7 days					

## SUPPLY OPTIONS

- Thickness range – 0.080 – 0.300mm
- Colours – natural-white ( colours on request)
- Maximum width – 1540mm at thickness  $\leq 170\mu\text{m}$ , 1350mm at thickness 300 $\mu\text{m}$
- Slit width – 8 – 200mm
- Core inside diameters – 76, 150 and 152mm respectively after agreement
- Reel outside diameters – max. 380mm up to 20mm, max. 500mm up to 45mm width, max. 600mm up to 100mm width respectively on request.

## DESIGN / PACKAGING

- A film marking before the inner film end of each roll can be provided on request.
- The film reels will be packed in big or small cartons (depending on the reel sizes) on pallets.
- Maximum single layer displacements  $\pm 1\text{mm}$ .