

NOWOCABLE

- **NOWOCABLE PPE**
Polypropylene film mono-oriented, compacted



Product description

NOWOCABLE PPE is a mono-oriented, compacted Polypropylene film. This film type is used for insulation, separation and bundling in telecommunication, power and signal cables.

Physical and mechanical properties for NOWOCABLE PPE

Properties	Unit	Test method	Average values				
			25	35	50	75	100
Thickness	µm	DIN 53370	25	35	50	75	100
Tolerance in thickness	%	DIN 53370	± 12	± 10	± 9	± 8	± 8
Weight	g/m ²	DIN 53352	22,6	31,0	45,0	68,0	90,0
Tolerance in weight	%	DIN 53352	± 7				
Density	g/cm ³	DIN 53479	app. 0,9				
Tensile strength (m. d.)	N/mm ²	DIN EN ISO 527-1	300				
Elongation at break (m. d.)	%	DIN EN ISO 527-1	25				
Tensile strength at 5 % elongation	N/mm ²	DIN EN ISO 527-1	70	80			
Shrinkage at 100 °C/10 min. (hot air)	%	DIN 40634	3				
Continuous thermal stability	°C		100				
Relative permittivity		DIN 53483	≥ 1,1				
Breakdown voltage	kV	DIN 53481	≥ 7,0				
Specific resistance	Ω x cm	DIN 53482	app. 10 ¹⁵				
Resistance of thermal conductance	W/mK	DIN 52612	0,19				
Copper resistance			After ageing the film in contact with copper at 100 °C for a period of 10 days the tape will retain a minimum of 50 % of the un-aged elongation				

We reserve the right to make technical alternations. All data given are averages, measured with due care in our laboratories. No guarantee claims however may be derived there from.

Supply possibilities

Thickness range:	0,025 – 0,100 mm
Colours:	Natural clear Coloured film on request
Maximum film width:	420 mm at thickness $\leq 0,025$ mm 1.200 mm at thickness $\geq 0,035$ mm
Slit width:	≥ 8 mm
Core inside diameters:	76, 150 and 152 mm respectively after agreement
Reel outside diameters:	Maximum 380 mm up to 25 mm width Maximum 500 mm up to 45 mm width Maximum 600 mm up to 100 mm 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 ± 1 mm

