

# Datasheet

## Polypropylene film solid

monoaxial stretched film of PP-copolymers PP-K

### Material:

- Polypropylene

### Colour:

- natural (transparent)

### Types:

Each type is determined by thickness and width as follows:

“PP-K / (thickness in  $\mu\text{m}$ ) x (width in mm)“, e.g. PP-K / 50 x 20

### Description of types:

PP-K / 35          stretched film, natural, 35  $\mu\text{m}$

PP-K / 50          stretched film, natural, 50  $\mu\text{m}$

PP-K / 75          stretched film, natural, 75  $\mu\text{m}$

### Width:

10—1.500 mm, in increments of 5 mm

Standard: 1.200 mm

### Properties:

Values		Thickness	35	50	75
Density	(calculated)	$\text{g/cm}^3$	0,91	0,91	0,91
Weight per unit area	EN 22 286	$\text{g/m}^2$	32	46	68
Tensile strenght, long.	ISO 527	$\text{N/mm}^2$	300	280	260
Elongation at break, long., max	ISO 527	%	50	50	55
Hot air shrinkage, long. (100°C/10 min)	BS 4611 A2	%	$\leq 6$	$\leq 6$	$\leq 6$
Melting range	DSC	°C	160-170	160-170	160-170
Max. processing temperature		°C	ca. 225	ca. 225	ca. 225
Relative permittivity	DIN 53 483/2		2,4	2,4	2,4
Dielectric strength	DIN 53 481	$\text{kV/mm}$	$\geq 250$	$\geq 250$	$\geq 250$
Thermal resistance	DIN 52 612	$\text{W/mK}$	0,19	0,19	0,19

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### Roll Dimension: Mother rolls

Core : 76, 153 mm cardboard  
Width: 300, 500 mm  
Runnig length: max. 600 m



### Roll Dimension: Pads

#### Cores

Inner—ø mm	Thickness mm	Material	Type
76,6	11	cardboard	76 (3")
153	14	cardboard	150

Roller outer-ø, mm: Outer diameter between 180 and 500 mm  
Tolerances: -20 mm / + 0 mm  
Front side of rolls: tolerance of layers max. ± 2 mm  
Planarity: tolerance of diameter max. ± 2 mm  
End marking: according to customers desire  
Joints: on both sides, brown PET adhesive tape, layer on layer  
thickness: 50 µm, width: 50mm  
max. number of joints: 2 per roll

### Roll Dimension: Traverse-wound spools

Cores: 76 mm cardboard  
Core length: 300 mm  
Core thickness: 7 mm, 10 mm  
Winding length: 280 mm  
Roll-outer-ø: max. 380 mm  
Film width: 5-30 mm



Subject to alterations!  
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