

Datasheet

Polypropylene film foamed

foamed monoaxial stretched film of closed-cell structure PP-S

Material:

- Polypropylene

Colour:

- natural (transparent)

Types:

Each type is determined by thickness and width as follows:

“PP-S / (thickness in μm) x (width in mm)“, e.g. PP-S / 130 x 20

Description of types:

PP-S / 80	stretched film, natural, 80 μm
PP-S / 100	stretched film, natural, 100 μm
PP-S / 130	stretched film, natural, 130 μm
PP-S / 150	stretched film, natural, 150 μm
PP-S / 170	stretched film, natural, 170 μm
PP-S / 200	stretched film, natural, 200 μm
PP-S / 300	stretched film, natural, 300 μm

Width: 4-1.400 mm, in increments of 5 mm
Standard: 1.200 mm

Properties:

Values		Thickness	80	100	130	150	170	200	300
Density	(calculated)	g/cm^3	0,52	0,52	0,52	0,51	0,51	0,51	0,51
Weight per unit area	EN 22 286	g/m^2	42	52	68	77	85	100	165
Tensile strenght, long.	ISO 527	N/mm^2	100	100	110	110	120	100	70
Elongation at break, long., max	ISO 527	%	25	25	25	25	25	25	35
Hot air shrinkage, long. (100°C/10 min)	BS 4611 A2	%	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
Melting range	DSC	°C	160-170	160-170	160-170	160-170	160-170	160-170	160-170
Max. processing temperature		°C	ca. 225	ca. 225	ca. 225	ca. 225	ca. 225	ca. 225	ca. 225
Relative permittivity	DIN 53		1,9	1,9	1,9	1,9	1,9	1,9	1,9
Dielectric strength	DIN 53 481	kV/mm	≥ 10	≥ 10	≥ 15	≥ 15	≥ 20	≥ 20	≥ 25
Thermal resistance	DIN 52 612	W/mK	0,08	0,08	0,08	0,08	0,08	0,08	0,08

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Roll Dimension: Mother rolls

Core : 153 mm cardboard
Width: 500 - 1.400 mm
Runnig length: max. 6.000 m, depending on outer diameter



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 230 and 700 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 μ m, 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
Winding length: 280 mm
Roll-outer-ø: max. 380 mm
Film width: 5-30 mm



Subject to alterations!
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