



Technical Data sheet of A - PET Film

Product name	APET clear A/B/A quality
Characteristic	A-PET film for thermoforming, laminating
Surface	Without treatment and silicone coating
Thickness range	150-1500 µm
Widths	250-2000 mm
Layer	A/B/A
Colours	CLEAR, COLOURED on request
Additives	Antiblock-slip agent SUKANO S479-HP-C (internal)

Properties:	Test method	Value	Unit
Thickness tolerances	DIN 53370:2006	150 – 300 ± 4 % 301 – 500 ± 3 % 501 – 800 ± 2,5 % 801 – 1200 ± 2 %	µm
Unit weight	EN ISO 2286-2	150 – 300 ± 10 % 301 – 600 ± 7 % 601 – 1200 ± 5 %	g/m ²
Colour	DIN 5033	Visual control	
Width tolerances	EN ISO 1923:1995	± 1	mm
Density	EN ISO 1183-2:2004	1,34	g/cm ³
Melting Point	EN ISO 11357-3:2013	245	°C
Intrinsic viscosity (IV)	ASTM D2857	0,60 – 0,75	dl/g
Tensile strength	EN ISO 527-3:1995	65 – 70	N/mm ²
Impact strength	EN ISO 8256:2004	≥ 250	kJ/m ²
Coefficient of friction	EN ISO 8295:2004	0,2 – 0,4	-
Vicat softening point	EN ISO 306:2004	80	°C
Surface tension	ASTM D 2578	38	dyn
Shrinkage (Oven 125 °C 3 min.) Thickness 400 µm	lengthwise cross	2 – 4 1 – 2	% %
Gas transmission CO ₂ O ₂ N ₂	DIN 53380	14 2,3 0,4	cm ³ / m ² · 24h · bar
Water vapour transmission 23 °C 85 % RH	EN ISO 15106-3:2003	0,5	g / m ² · 24h · bar
Dirt / Black points	Detector / visual (Black points shall not lead to thermoforming issues)	≥0,20 - ≤1 mm ² - max 8; >1 mm ² - max 1	n / 10 m ²
Fish eyes	Detector / visual (Fish eyes shall not lead to thermoforming issues)	<1 mm ² - allowed; ≥1 - ≤3 mm ² - max 30; >3 mm ² - max 2	n / 10 m ²
Flies and insects	Detector / visual	none	
Pinnholes	Visual	none	
Deep Thermoforming		Suitable	
Thermoforming Temperature		≥ 120	°C
Barrier characteristics		Good	
Application temperature		Min. -35, Max. +70	°C
Colouring		Possible	