

 Transparent APET anti-reflective front panel with magnetic stripes on all edges. 1 cm printed edge in white or black. Available for pavement boards and frames to protect poster. Approx. 0,7 mm thick.

 Transparente APET Antireflex Frontplatte mit Magnetband an allen Kanten. 1 cm Rand in weiß oder schwarz gedruckt. Für Straßenstände und Rahmen zum Plakatschutz. Dicke etwa 0,7 mm.

 Gennemsigtig APET antirefleks frontplade med magnetbånd på alle kanter. 1 cm hvid eller sort trykt kant. Bruges til at sætte i gadeskilte og rammer til beskyttelse af plakat. Ca. 0,7 mm tyk.

Model	Art. no.	Poster size	Panel size	Magn. stripe w/ print
194	3947	A4 21 x 29,7 cm	24 x 33 cm	1 cm white edge
194	3946	A3 29,7 x 42 cm	33 x 45 cm	1 cm white edge
194	3997	A2 42 x 59,4 cm	45 x 63 cm	1 cm white edge
194	3942	50 x 70 cm	53 x 73 cm	1 cm white edge
194	3943	A1 59,4 x 84,1 cm	63 x 88 cm	1 cm white edge
194	3944	60 x 90 cm	63 x 93 cm	1 cm white edge
194	3945	70 x 100 cm	73 x 103 cm	1 cm white edge
194	3950	A0 84,1 x 118,9 cm	88 x 123 cm	1 cm white edge

Model	Art. no.	Poster size	Panel size	Magn. stripe w/ print
194	3932	50 x 70 cm	53 x 73 cm	1 cm black edge
194	3933	A1 59,4 x 84,1 cm	63 x 88 cm	1 cm black edge
194	3935	70 x 100 cm	73 x 103 cm	1 cm black edge

APET frontpanel is a clear-transparent sheet with high light transmission and gloss: Made from thermoplastic polyester. They offer high impact strength, a good fire rating and are suitable for food-contact applications. Resistant to chemicals and fully recyclable.

Applications - ideal fields of indoor application for APET front panels are: P.O.S. (displays, price tag holders, shelf partitions), poster glazing, poster boards (also backlit), direction signs, promotional symbols, food containers and trays, decorative inserts, pharmaceutical products, flat machine guards. The front panels can be machined and screen printed with ease. Owing to the crystallization properties of polyester, the sheet may turn white during thermoforming. Line-bent APET frontpanels show a hinge effect. For outdoor applications it is recommended to use APET UV frontpanels.

APET front panel thickness: Available in thicknesses of approx. 0,7 mm.

Light transmission at 0,8 mm thickness: 90 %. Test Method according to DIN 5036. The stated thicknesses are not all available as standard. Please ask us for more information. The stated value are typical value only.

Permanent Service Temperature: The permanent service temperature without load is approx. 60° C.

Fire Rating: Oxygen index (LOI) 25%, ISO 4589. Fire certificates are limited in time, always check if the mentioned certificate is still valid.

Glow wire flammability index, IEC 60695-2-12, in °C: Fire certificates are limited in time, always check if the mentioned certificate is still valid.

		TEST CONDITIONS	TYPICAL VALUES	UNIT TEST	METHOD
Physical	Density		1.33	g/cm ³	ISO 1183-1
	Moisture absorption	after storage in 23 °C/50% RH	0.2	%	ISO 62-4
		after storage in water at 23 °C	0.5	%	ISO 62-1
	Refractive index	20 °C	1.585	-	ISO 489
Mechanical	Tensile stress at yield		> 55	MPa	ISO 527-2/1B/50
	Elongation at yield		4	%	ISO 527-2/1B/50
	Tensile strength		> 55	MPa	ISO 527-2/1B/50
	Elongation at break		> 25	%	ISO 527-2/1B/50
	Elastic modulus		2500	MPa	ISO 527-2/1B/1
	Limiting flexural stress		ca. 80	MPa	ISO 178
	Impact strength	Charpy, unnotched	no break	kJ/m ²	ISO 179/1fU
	Charpy, notched		ca. 4	kJ/m ²	ISO 179/1eA
Izod, notched		ca. 3	kJ/m ²	ISO 180/1A	
Thermal	Vicat softening temperature	Method B50	75	°C	ISO 306
	Thermal conductivity		0.25	W/m K	DIN 52612
	Coeff. of linear thermal expansion		0.05	mm/m K	DIN 53752-A
	Heat deflection temperature under load	Method A: 1.80 MPa	63	°C	ISO 75-2
Method B: 0.45 MPa		70	°C	ISO 75-2	
Electrical	Dielectric strength		60	kV/mm	IEC 60243-1
	Volume resistivity		10 ¹⁵	Ohm·cm	IEC 60093
	Surface resistivity		10 ¹⁶	Ohm	IEC 60093
	Dielectric constant	at 10 ³ Hz	3.4		IEC 60250
		at 10 ⁶ Hz	3.1		IEC 60250
	Dissipation factor	at 10 ³ Hz	0.015		IEC 60250
at 10 ⁶ Hz		0.056		IEC 60250	