

 Transparent APET anti-reflective front panel. Available for pavement boards and snap-frames to protect poster. Used for snap-frames without rubberlist. Thicknesses of 0,4 - 0,8 mm.

 Transparente APET Antireflex-Frontplatte. Für Straßenstände und Klapprahmen zum Plakatschutz. Passend für Klapprahmen ohne Gummileiste. Dicke ab 0,4 bis 0,8 mm.

 Gennemsigtig APET antirefleks frontplade. Bruges til at sætte i gadeskilte og klappammer til beskyttelse af plakat. Passer til klappammer uden gummiliste. Tykkelse fra 0,4 til 0,8 mm.

Model	Art. no.	Poster- and panel size
195	4707	A6 10,5 x 14,8 cm
195	4705	A5 14,8 x 21 cm
195	4711	A4 21 x 29,7 cm
195	4712	A3 29,7 x 42 cm
195	4713	A2 42 x 59,4 cm
195	4714	50 x 70 cm
195	4715	A1 59,4 x 84,1 cm
195	4716	60 x 90 cm
195	4717	70 x 100 cm
195	4710	70 x 200 cm
195	3987	A0 84,1 x 118,9 cm
195	4718	100 x 140 cm
195	4709	100 x 200 cm

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 0,4 - 0,8 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	