



THE BEST FOR FLAT AND COLD BENDING APPLICATIONS.

LUMEX® is the new trade mark for the flawlessly extruded A-PET and PET-G thermoplastic polyester sheets offered by 3A Composites.

3A Composites thus significantly enlarges its product portfolio with transparent and translucent sheet material.

PRODUCT

LUMEX® A is the newest brand on the market for premium quality amorphous polyethylen terephthalate (A-PET). It is the best choice for flat and arched applications. LUMEX® A shows extremely good printability with UV curing inks and is fire rated – ‘difficult-to-ignite’ – as well as approved for direct food contact. Moreover, it is extremely impact resistant and shows excellent outdoor durability.

LUMEX® A – AT A GLANCE

LUMEX® A sheets offer a unique combination of excellent properties and occupy an unrivalled ecological position amongst fully transparent and translucent sheet materials.

- 100% recyclable within its own waste category
- Tough and hard with high impact strength also at sub-zero temperatures down to -20°C
- Impeccable optical properties with a light transmission of nearly 90% for non-tinted types
- Good outdoor durability up to 4 years even for standard types

- Approved by FDA/BGA for direct contact with foodstuff and medical applications
- Flame retardant rated ‘difficult-to-ignite’
- Very high chemical resistance against cleaning agents, mineral oils, solvents
- Easy and fast to convert
- Good printability thanks to optimal adhesion of UV curing inks

PRODUCT APPLICATIONS

- Flexible poster covers
- Printed translucent signs
- Small to medium sized displays
- Slatwall magazine racks
- Cold food storage elements
- Protective glazing for machinery

PROTECTIVE FILM

- Front: blue transparent / reverse: white opal

TOLERANCES

Thicknesses	up to 1.5 mm: ±10% 1.5 to 3.0 mm: ±6% over 3.0 mm: ±5%
Widths	-0 / +3 mm
Lengths	-0 / +5 mm
Formats cut to size off line	-0 / +2 mm

PRODUCT RANGE

Product	Standard formats (WxL)	Thickness mm							
		0.8	1	1.5	2	3	4	5	6
clear-transparent	1250 x 2050 mm	■	■	■	■	■			
clear-transparent ar (anti reflective)		■	■	■	■				
opal 30%			■	■					
clear-transparent	1250 x 2500 mm					■		■	
clear-transparent	2050 x 3050 mm	■	■	■	■	■	■	■	■
clear-transparent ar (anti reflective)		■	■	■	■	■			
opal 30%			■	■	■	■			
white - black	2050 x >1000-6050 mm		□	□	□	□	□	□	□
bronze						□	□	□	□
others translucent			□	□	□	□	□	□	□
others opaque			□	□	□	□	□	□	□

■ Standard formats □ On request