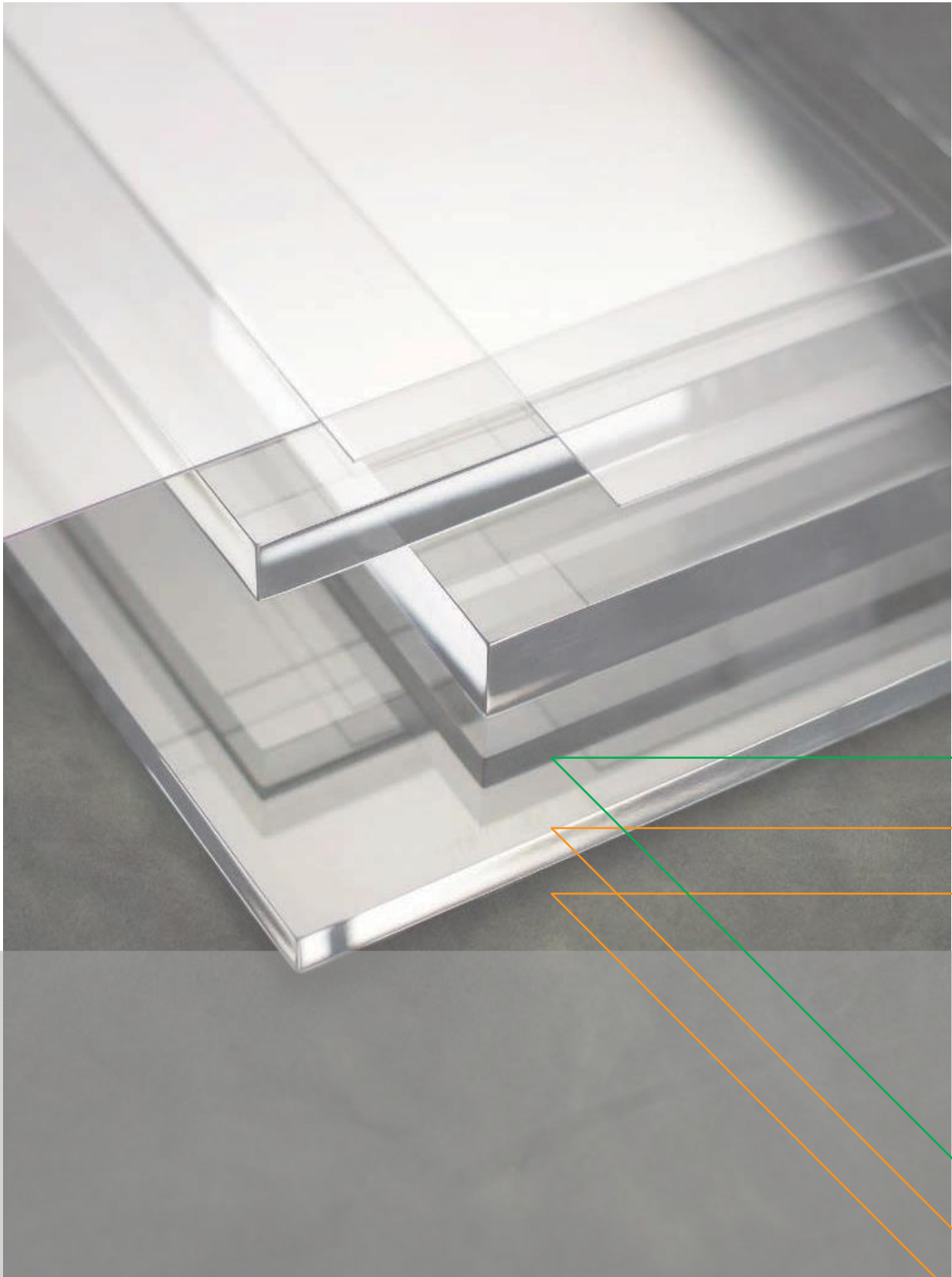


POLILUX-G

Clear PET-G based solid sheets



POLIVEKTRIS
N O R D I C
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POLILUX-G

ABOUT PRODUCT

POLILUX-G Polyethylene terephthalate glycol (PET-G) is the best solution for thermoforming and hot bending applications. **POLILUX-G** sheets are flame retardant, approved for the food industry, and can be used at extremely low temperatures (up to -40°C). They are also excellent to print with UV-curing inks and fast, convenient to convert.

POLILUX-G sheets do not crystallize therefore feature enhanced thermoforming capabilities. Vacuum forming is significantly quicker and more cost-effective since requires no re-drying. Extremely high contour accuracy can be obtained at lower temperatures compared to traditional transparent materials.

APPLICATION

- Vacuum formed trays
- Medical industry application
- Printed translucent signs
- Three dimensional POS/POP items
- Thermoformed fronts for vending machines
- Food dispensers

ADVANTAGES

- Perfect for hot bending and vacuum forming
- Doesn't require pre-drying – high energy savings
- Simplified bonding with solvent-based adhesives
- Resistant against breakage at low temperatures
- Excellent outdoor longevity
- UV protection
- Superior to print with UV curing inks
- 100% recyclable



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DELIVERY CONDITIONS

CHARACTERISTIC	UNIT	VALUE
Thickness	mm	From 1,5 up to 15
Width	mm	Up to 2050
Length	mm	3050 ¹
Color	–	Clear, any other color
Protective film	–	Transparent (both sides) ²

¹ Other length available

² Other films or prints available

TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT	VALUE
Density	g/cm ³	1,27
Vicat softening temperature	°C	80
Moisture absorption	%	0,2
Light transmission	%	Up to 88
Tensile Strength	MPa	> 45
Elongation at yield	MPa	4
Tensile Modulus	%	2000
Impact Resistance	Charpy unnotched Charpy notched Izod notched	Non-break ca. 7 ca. 6
Coefficient of linear expansion	mm/m/°C	0,05