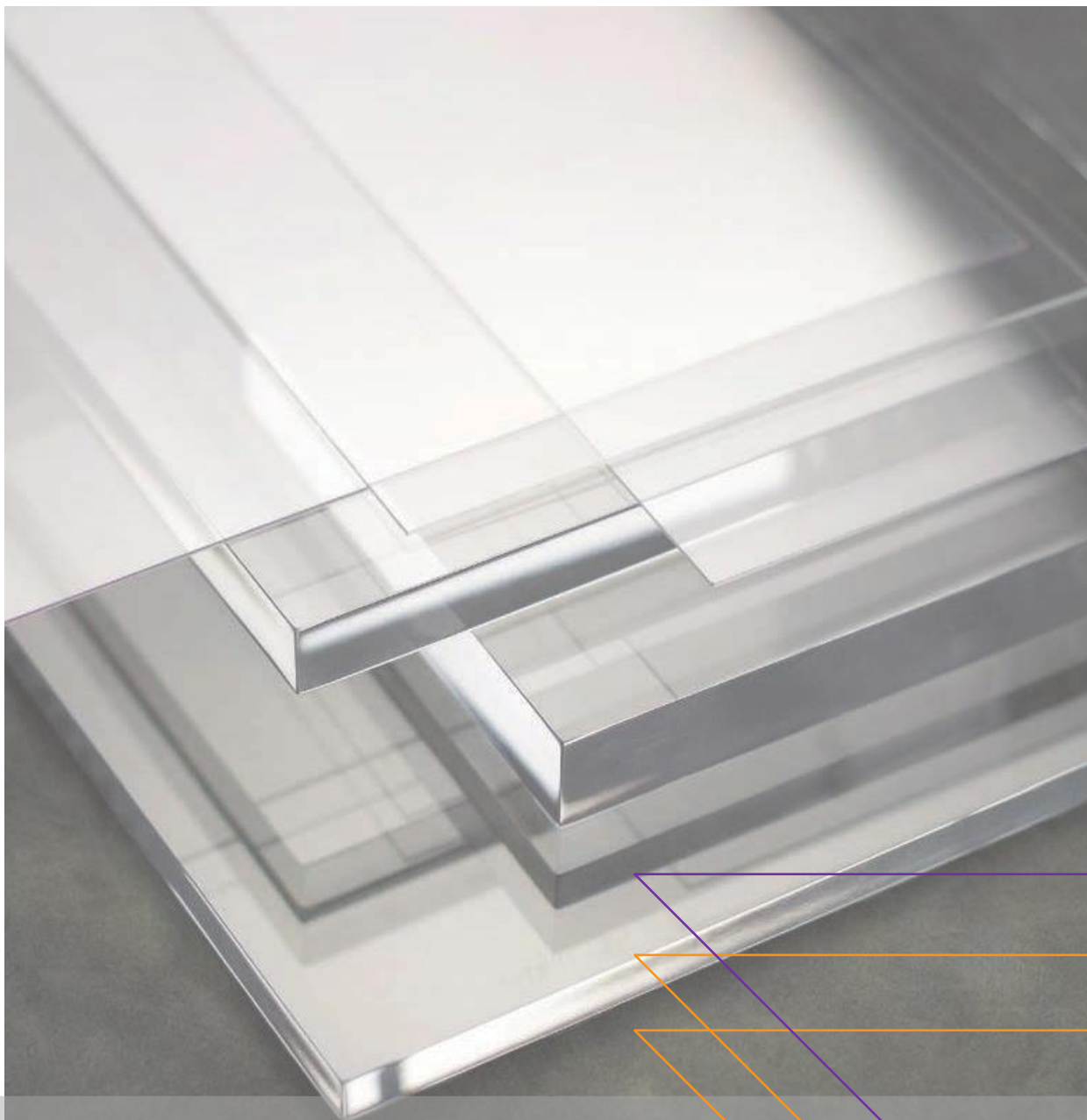


POLILUX-A

Clear PET-A based solid sheets



TECHNICAL DATA SHEET



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N O R D I C
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POLILUX-A

ABOUT PRODUCT

POLILUX-A is premium quality amorphous polyethylene terephthalate (PET-A) mono sheets. Ideally suited to flat and cold bending applications. **POLILUX-A** shows good printability with UV curing inks and is suitable for food applications. **POLILUX-A** is extremely impact resistant also at low temperatures (to -20°C) and shows good outdoor durability in the variant with UV protection.

PROPERTY	STANDARD	UNIT	VALUE
PHYSICAL PROPERTIES			
Density	ISO 1183-1	g/cm ³	1,33
Moisture absorption	ISO 62	%	0,2
MECHANICAL PROPERTIES			
Tensile strength	ISO 527-2	MPa	> 53
Elongation at break	ISO 527-2	MPa	> 100
Tensile modulus	ISO 527-2	MPa	2600
Impact resistance (Charpy unnotched)	ISO 179/1fu	kJ/m ²	no break
Impact resistance (Charpy notched)	ISO 179/1eA	kJ/m ²	ca. 4
Impact resistance (Izod notched)	ISO 180/1A	kJ/m ²	ca. 3
THERMAL PROPERTIES			
Vicat softening temperature	DIN EN ISO 306	°C	75
Thermal conductivity	ISO 8302	W/mK	0,25
Coefficient of linear thermal expansion	DIN 53483	mm/m °K	0,05
Heat deflection temperature under load (HDT)	DIN EN ISO R 75	-	63
ELECTRICAL PROPERTIES			
Dielectric strength	DIN VDE 0303	kV/mm	17
Volume resistivity	DIN VDE 0303	Ω · cm	>10 ¹⁵
Surface resistivity	DIN VDE 0303	Ω	>10 ¹⁶
OPTICAL PROPERTIES			
Light transmission	DIN 5036	%	Up to 86
Total energy transmittance g	DIN EN 410	%	1,585