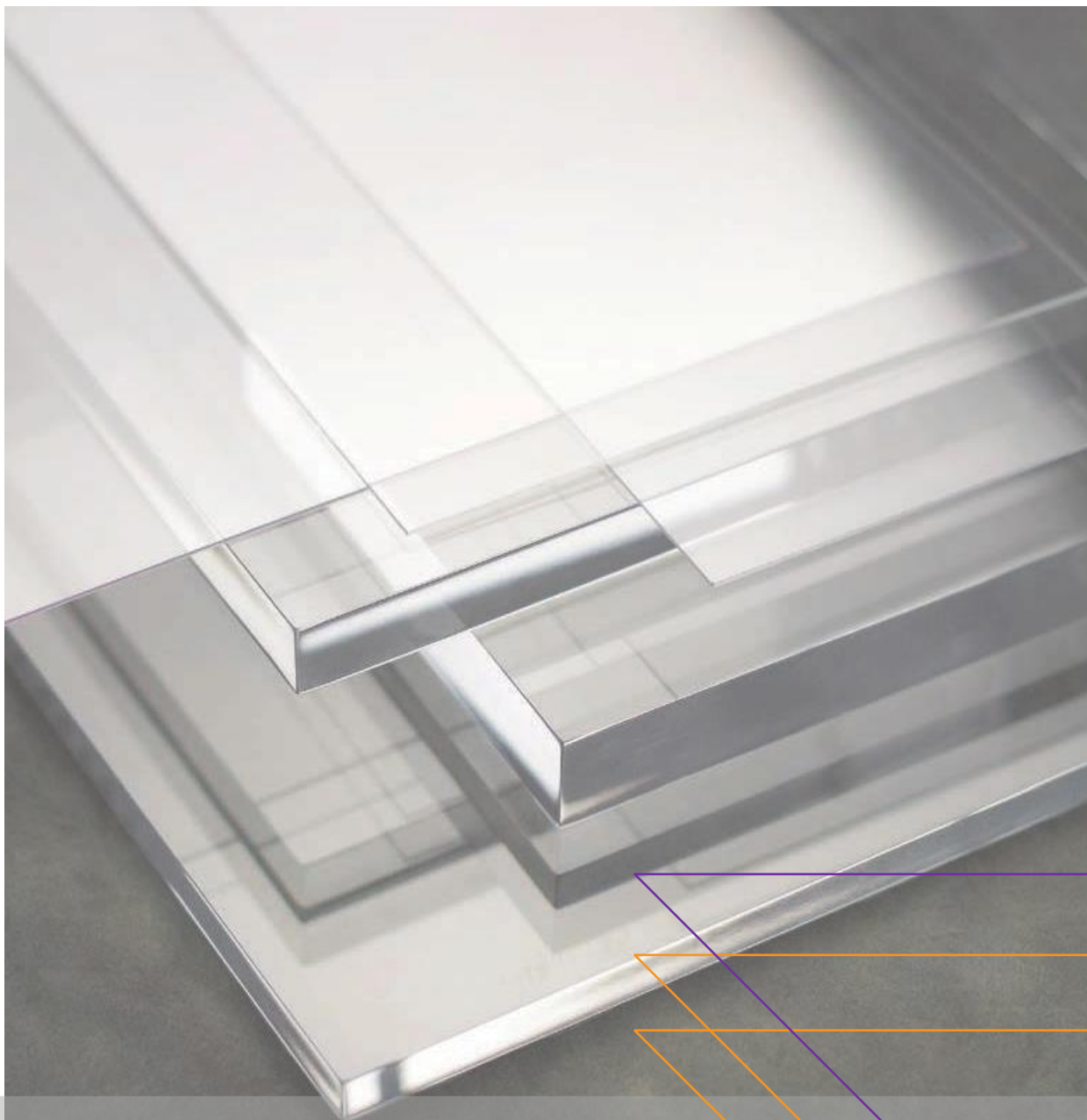


POLILUX-G

Clear PET-G based solid sheets



TECHNICAL DATA SHEET



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.

PROPERTY	STANDARD	UNIT	VALUE
PHYSICAL PROPERTIES			
Density	ISO 1183-1	g/cm ³	1,27
Moisture absorption	ISO 62	%	0,2
MECHANICAL PROPERTIES			
Tensile Strength	ISO 527-2	MPa	> 45
Elongation at yield	ISO 527-2	%	4
Tensile Modulus	ISO 527-2	MPa	2000
Impact Resistance (Charpy unnotched)	ISO 179/1fu	kJ/m ²	no break
Impact Resistance (Charpy notched)	ISO 179/1eA	kJ/m ²	ca. 7
Impact Resistance (Izod notched)	ISO 180/1A	kJ/m ²	ca. 6
THERMAL PROPERTIES			
Vicat softening temperature	DIN EN ISO 306	°C	80
Thermal conductivity	ISO 8302	W/mK	0,2
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	16,1
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 88
Refractive index	ISO 489	-	1,567



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