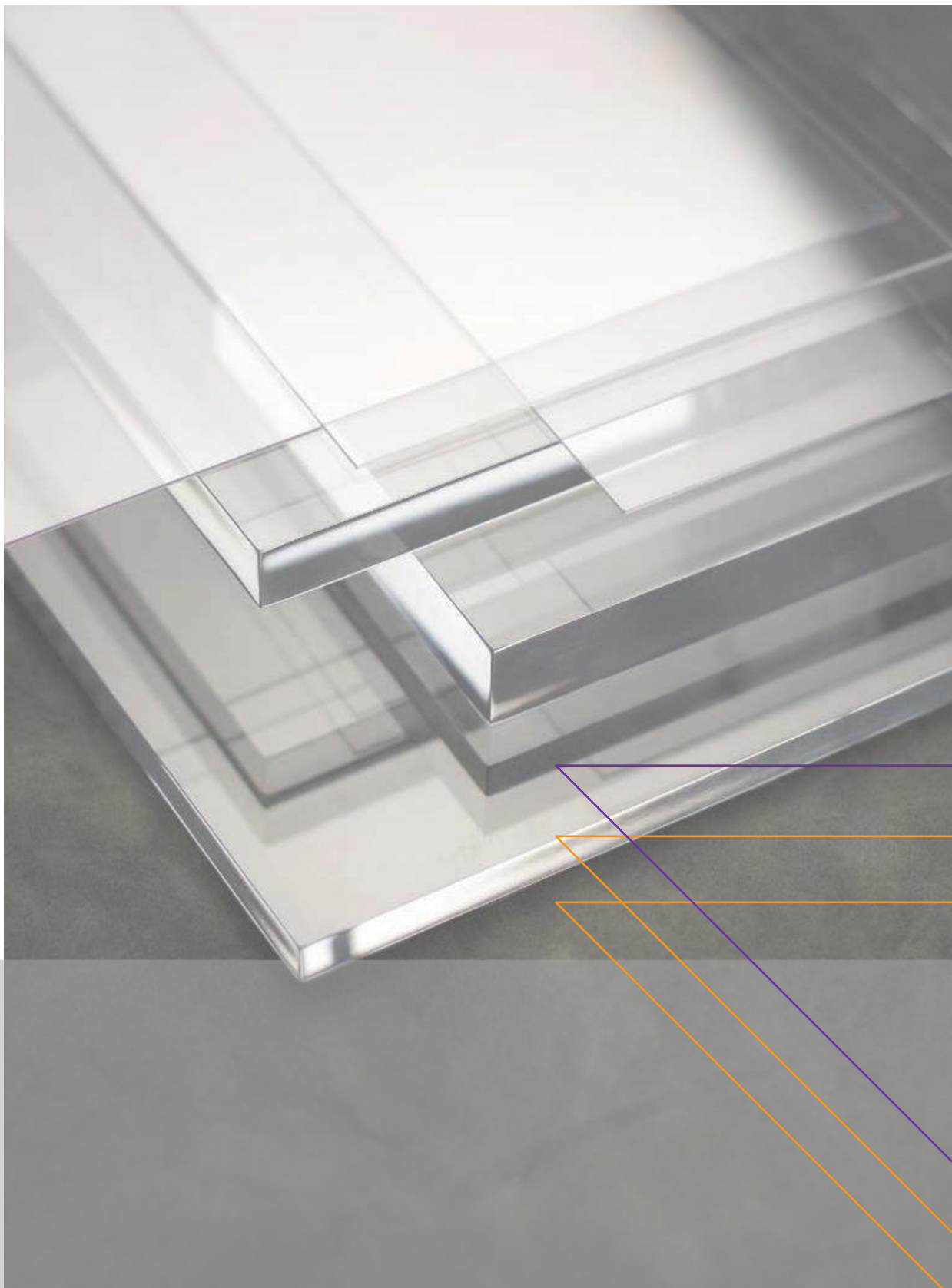


# POLILON-MONO

Clear PC based solid sheets



**POLIVEKTRIS**  
N O R D I C  
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# POLILON-MONO

## ABOUT PRODUCT

**POLILON MONO** is a premium quality extruded polycarbonate (PC) solid sheet with double sided UV-protection. This product has extremely high impact resistance, which makes it essentially unbreakable. **POLILON MONO** solid sheets is the ideal choice for applications where high optical clarity and impact resistance is required. It can be easily thermoformed and fabricated.

**POLILON MONO** offers the highest durability values of all thermoplastics and unparalleled design freedom, which conforms the most demanding applications.

## APPLICATION

- Noise barriers for expressways, railways and urban elevated roads
- Wind shields
- Panels of advertising light boxes and
- Advertising display boards
- Medical equipment including eyewear and headgear
- Bridges
- The daylighting ceiling of buildings, skylights
- domes and sport arenas
- Security and anti-vandal glazing, safety
- screens and acoustic screens
- Industrial visors, goggles and helmets
- Electronics
- Automotive and machinery parts and equipment

## ADVANTAGES

- 200 times stronger than glass
- Highest impact resistance of all thermoplastics and good chemical resistance
- High clarity and light transmission
- Easily handled, machined and thermoformed
- Light weight (two times lighter than glass)
- Ideal for use as safety glazing or vandalism protection
- UV protected for improved longevity
- Excellent ink adhesion and print quality
- Excellent fire behavior, self-extinguishable, high tolerances for ambient temperature
- Nontoxic and environment friendly – 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 <sup>1</sup>
Color	–	Clear, any other color
Protective film	–	Transparent (both sides) <sup>2</sup>

<sup>1</sup> Other lengths available

<sup>2</sup> Other films or prints available

## TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT	VALUE
Density	g/cm <sup>3</sup>	1,20
Vicat softening temperature	°C	144
Moisture absorption	%	0,15
Light transmission	%	Up to 90
Tensile modulus	MPa	2300
Flexural strength	MPa	90
Nominal strain at break	%	60
Impact Resistance	Charpy unnotched	Non-break
	Charpy notched	35
	Izod notched	> 65
Coefficient of linear expansion	mm/m/°C	0,065



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