

# ART-EX ICE UV

**ART-EX ICE UV Is clear Polypropylene sheet for posters and sign protection.**

Top Embossing	Gloss
Bottom Embossing	Quartz reduce light reflection
Thickness $\mu\text{m}$	400-800
Thickness tolerance $\mu\text{m}$	+10-30
Size tolerance mm Small format Large format	Shorter than 1200 mm Width 0-+4 mm length +4 /-0 mm Length from 1200- 1800 mm Width 0-+4 mm length +6 /-0mm Length from 1800- 2500 mm Width 0-+4 mm length +8 /-0 mm
Angular tolerance 90°	90 $\pm$ 0.2°

Specific Gravity	0.92	
Coefficient of thermal expansion	10 <sup>-4</sup> /K 5-80°C	1 mm for each meter for change of 10°C

Property	Method	Unit	Value
Tensile Strength at Yield	ISO 527-2	MPa	950
Elongation at Yield	ISO 527-2	%	<16
Flexural modulus	ISO 178	MPa	1000
Izod Impact Strength (notched)at 23°C	ISO 180	kJ/m <sup>2</sup>	22
Izod Impact Strength (notched)at 0°C	ISO 180	kJ/m <sup>2</sup>	4
Hardness Rockwell - R-scale	ISO 2039-2		83
Light transmission	X-RiteColor® master	%	87-92 depends on thickness

**UV: protection.**

The sheet is UV protected in order to prevent fast degradation yellowing and loss of transparency. Sheet will retain at least 50% elongation at yield after one year of exposure in north Europe.

**Surface:**

The Quartz side has low surface tension. This enables easy cleaning and hides scratches. The sheets filters some UV light and protects the ink of the poster below it. The material is unprintable and rejects most inks. The gloss side should face the poster.

**Welding:** ART-EX ICE UV can be welded with hot plate and ultrasonic.

**Bonding:** almost nothing bonds to ART-EX ICE UV

**Conformity: ART-EX ICE UV**

Norm	EN71/3 toy and safety standard	Food European Directive 10/2011 and amendments*	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
	Yes	Yes	Yes	Yes

\*Food contact conformity should be requested prior to placement of an order. Exten will not provide conformity declaration for articles already produced without particular notice from the client.

**Storage:** store in dry and shaded place.

**Recycling:** Production rejects and waste should preferably be recycled instead of being disposed. Sheets are not biodegradable.