

OBELISK

SIGN
3D

Why Polystyrene? Why OBELISK?

CHEAPER, LIGHTER, SAFER, GREENER, EASIER TO WORK WITH

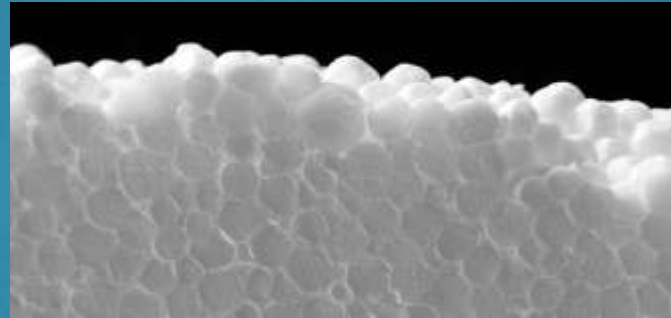
What is Polystyrene?

synthetic aromatic polymer made from the monomer styrene

► Solid (molded)



► EPS (expanded) foam



► XPS (extruded) foam
known as Styrofoam



CHEAP



- ▶ **PLEXIGLAS** 50 mm thickness **249.0 EUR/sqm**
- ▶ **EPS foam** 50 mm thickness **1.2 EUR/sqm**
- ▶ **XPS foam** 50 mm thickness **6.5 EUR/sqm**

LIGHT WEIGHT



- ▶ **PLEXIGLAS** 13.000 kg/cubic meter
- ▶ **EPS foam** 10 kg/cubic meter
- ▶ **XPS Styrofoam** 25 kg/cubic meter

SAFER



- ▶ Flammable, **not explode**

according to DIN4102 as a "B3" product

A case study from the manufacturer AUSTROTHERM:

*The test shows it cannot caused fire itself, and for more than 45 minutes will not feed the fire. In the case of fire it **melts** not **BURNS**.*

- ▶ **Light weight** - safer for hanging from the ceiling

„GREEN”-er



- ▶ **The styrene doesn't contains bio hazardous component.**

That is why so popular in food containers as well. Meets the standards of the U.S. Food and Drug Administration and the European Commission/European Food Safety Authority

- ▶ **Easier to manage the waste!**

The waste is solid!

Most polystyrene products are currently not recycled. Foam scrap can be turned into products such as clothes hangers, park benches, flower pots, toys, rulers, stapler bodies, seedling containers, picture frames, and architectural molding from recycled PS.



EASY to work with

- ▶ **Plotting** with hot wire
- ▶ **Painting** with water based or acrylic ink
- ▶ **Printing** with UV LED printers
- ▶ **Bonding** with silicon glue
- ▶ **Installation** with silicon glue or simple thrust on angle



FOAMPLOTTING

- ▶ Why hot wire?

The polystyrene is **not burning** is **MELTING**
by the hot air around the wire

- ▶ That is why:

NO smoke

NO smell

NO noise

The waste is solid

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What is it for?

Sign/letters

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Sign/letters

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Architectural shapes

RELISK

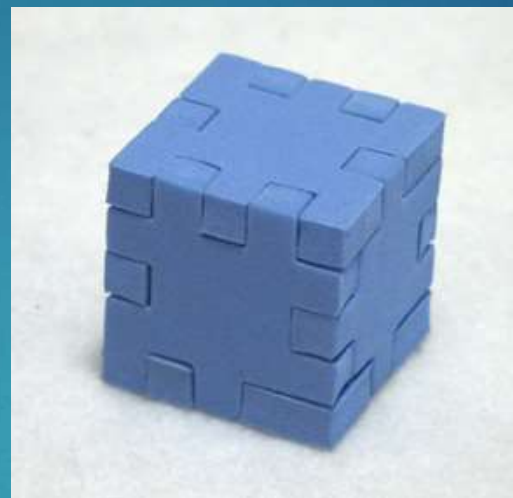
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Hobby, craft and toys

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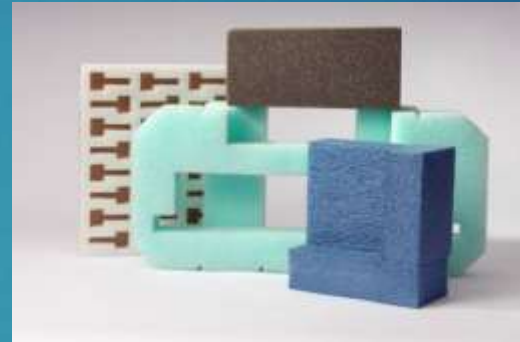
Retail decor



Packaging

PRELISK

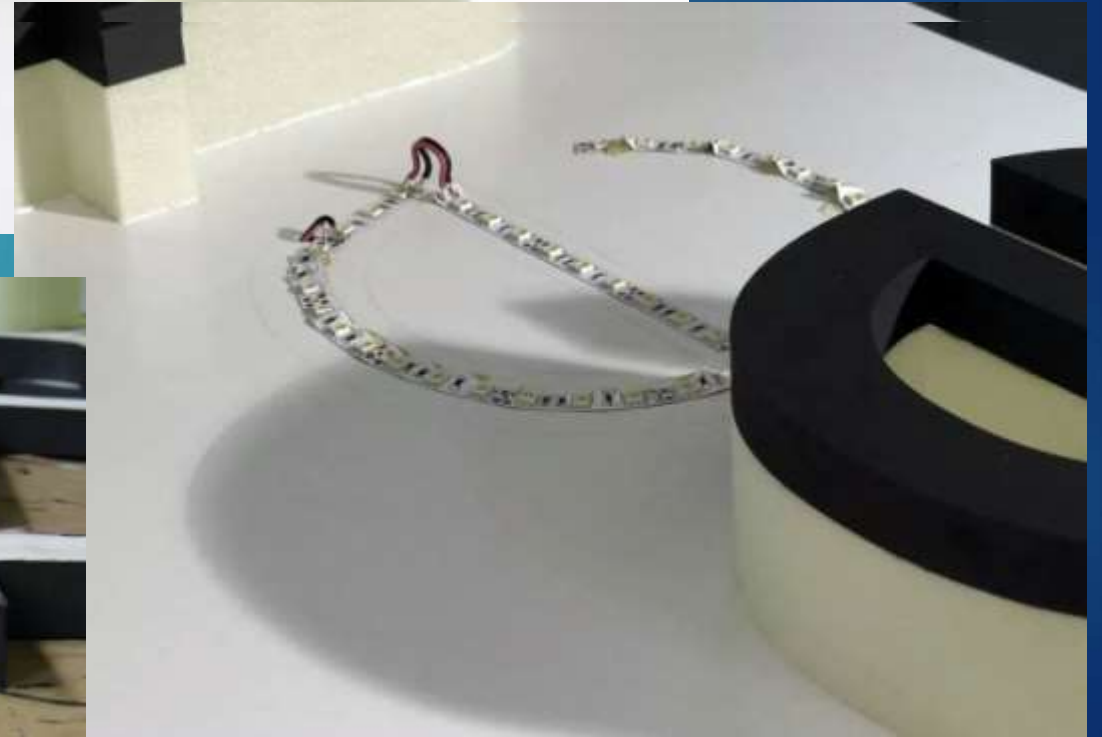
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Lighting Sign

PRELISK

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Lighting Sign



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So?

Why not

OBELISK?

OBELISK TURBO BLUE

T H E F O A M P L O T T E R

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SOFTWARE:
StellaObelisk

Minimum requirement:
Pentium II, Windows XP



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www.plasticut-obelisk.com

www.youtube.com/vascohungary

