PLEXIGLASS

VARIATIONS
Lucite, Acrylic

DESCRIPTION
Clear, durable, semi-flexible sheet thicker than 1/16”.

USES
Entire models can be made from lasercut plexi. This is desirable when light or view transmission is desired. Plexi is not forgiving; trace amounts of glue will leave residue, it cannot be cut outside of the shop or laser lab, and tends to fog up in layers with glue. Due to plexi’s crisp and clean look, it is difficult to unify it with any other materials besides styrene or other plastics. Plexiglass can be melted with a heat gun as well. Can be laser cut.

MANUFACTURE
Plexiglass is petroleum based; to produce one unit mass of plexi requires two units mass of petroleum. Sheets are formed in molds heated to a minimum 85 degrees celsius, often exceeding 160 degrees celsius.

NOTABLE INGREDIENTS
Ethyl Acrylate (.1%)(Possibly carcinogenic), Poly(methyl methacrylate) (99%)

DISPOSAL
Place all extra pieces at re-use stations. Plexiglass is not recyclable, and will remain in the landfill for a long time.

SAFETY NOTES
-To avoid inhaling fumes or dust when melting and cutting, wear a respirator.
-Fumes and dust may also irritate the eyes, always wear eye protection when using power tools.