

**A PROVEN BASE MATERIAL WITH THESE SPECIAL PROPERTIES:**

- ✓ **BROAD RANGE CHEMICAL RESISTANCE**
- ✓ **EXCEPTIONAL CLARITY** (HYDEX 301)
- ✓ **NEARLY 90% LIGHT TRANSMISSION** (HYDEX 301)
- ✓ **SUPERIOR PRACTICAL IMPACT**
- ✓ **EXCELLENT MECHANICAL PROPERTIES**
- ✓ **GOOD TEMPERATURE RESISTANCE**
- ✓ **EASILY MACHINED WITH SUPERIOR DIMENSIONAL STABILITY**

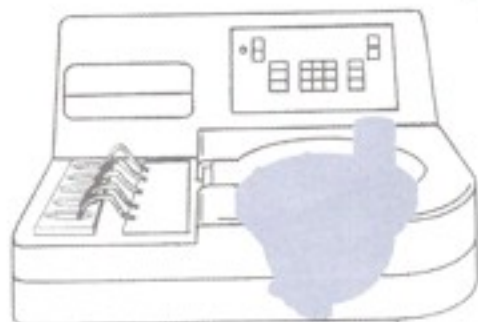
HYDEX 301 and 202 are made from rigid polyurethane (RPU) resin which was developed in the late 1980's by Dow Chemical Company, who now markets it under the trade name, Isoplast.®

HYDEX 301 is our clear grade of Isoplast. It combines excellent clarity (almost 90% light transmission) with broad range chemical resistance and outstanding practical toughness.

HYDEX 202 is our opaque grade of Isoplast. It performs with superior impact and chemical resistance plus extraordinary mechanical properties.

HYDE makes both grades in solid rods (1/4" to 6" diameter) and in slabs (1/4" to 4" thick). Easily fabricated on standard machine shop equipment, they are typically used for:

- Factory maintenance replacement parts
- Short run OEM production parts
- Prototyping
- Thick section parts that are unsuitable for injection molding.



*This medical diagnostic filter bowl, made from HYDEX 301, resists chemicals much better than polycarbonate, but does not shatter like glass or acrylic.*

**TECHNICAL COMPARISONS****CLEAR HYDEX 301**

Compare HYDEX 301 to other clear plastics —

- **Polycarbonate** does not have the chemical resistance needed for many applications whereas HYDEX 301 has superior chemical resistance.
- **Acrylic** does not have the toughness, temperature resistance or the mechanical properties of HYDEX 301. HYDEX 301 is the clear choice for applications in fluid handling. It can be used in any fluid handling applications where clarity, chemical resistance and toughness are required. It has proven highly efficient in:

**Medical Diagnostic Equipment**

- Filter Bowels
- Manifolds
- Valves

**Petrochemical Processing Plants**

- Site Glasses
- Junction Boxes

These applications have a number of things in common: 1) They require a clear or translucent material to enable easy sight checks or viewing of fluids. And 2) They require a material that has chemical resistance. *Only HYDEX 301 has both of these properties.*