



**ALTUGLAS<sup>®</sup>**  
BY ARKEMA

## Raise up your innovation

### ACRYLIC RESIN

Altuglas<sup>®</sup> acrylic resins open up for you a whole new world of colours and surface finishes for cosmetic applications.

Among dozens of grades is the one for you, for lightness of creative touch in our ever-widening range offer.

*Give shape to your ideas  
Create object of desire.*

# Raise up your innovation

## ACRYLIC RESIN

Wherever there is a need for good looking, precision, tough model parts, you will find the ideal combination of performance and value in the Altuglas® family of acrylic thermoplastic resins.

Not to forget significant cost and energy savings, thanks to a cleaner and faster industrial process.

### Exceptionnal optical qualities

#### Clear, high transparency

> Excellent optical clarity with a 92% light transmission rate and brilliance even at high thickness.

> Incomparable luxurious look that will last longer than any other polymers would.

> Thanks to its patented lubrication, our **Altuglas® VML** will enable you to mould complex bulk pieces at lower temperatures, hence faster than with other polymers and without affecting the incredible transparency of moulded piece.

#### Frosted and Matt series, surface effect

> Unlike other polymers requiring post-finishing operations and/or coatings, with Altuglas® PMMA, reach matt and frosted effects, simply by injecting our resins. This **one step process** will make you save time and energy.

> **Altuglas® frosted PMMA** (Altuglas® Patent) will provide you with:

- A high light transmission rate (88%),
- A high hidden power effect (Haze 100%).

#### Opaque series, gloss and depth of colour

> Unlike other polymers requiring aesthetic or functional coatings (paint, varnish) **Altuglas® glossy opaque** resins will provide you with:

- Deep and glossy colors,
- High scratch resistance,
- High UV resistance,
- Long-term incomparable look and performances in only one step process: Injection moulding.

> This **one step process** will make you save time and decrease your energy consumption, shortening production cycle-times and increasing productivity.

> Besides, no coating is used in this process, wich makes of PMMA the most environmentally friendly solution. And it is also recyclable!

**Altuglas® opaque resins** are also available in high fluidity, high impact and high temperature resistance versions.

### Superior surface hardness & scratch resistance

> **Altuglas® HT121**, our highest temperature and scratch resistance grade (Rockwell M-102) is available in transparent and opaque versions for the most demanding applications.

### Improved chemical resistance

> Altuglas International has developed a new product range offering an improved chemical resistance, specially against alcohols.

> **Altuglas® HCR 3** is one of them, combining:

- High transparency (LT: 92%),
- Very high surface hardness and scratch resistance,
- Very high temperature resistance,
- Excellent UV ageing.

### Good mechanical properties with impact resistance

> Altuglas International recently enlarged its HFI (High Fluidity & Impact) product range by launching **Altuglas® HFI 15** in addition to the already existing Altuglas® HFI 7 & HFI 10.

> Altuglas® HFI series offer a unique combination of:

- Improved impact resistance,
- Excellent processability even for the toughest injection tasks.

On top of impact and fluidity, using HFI will assure you of creating pieces of unsurpassed transparency and gloss. Altuglas® HFI 15, our latest innovation, is the highest impact resistant grade of the range.

### Sustainability

Not only Altuglas® resins are recyclable and processable in the cleanest and most environmentally-friendly way than any other plastics on the market, but Altuglas® is committing even further into sustainability by developing a new product:

the **Altuglas® RNew** grade, an acrylic resin containing at least 20% renewable carbon.

To be released soon...

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