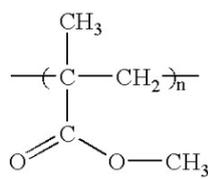


ALTUGLAS® EI 25-EI 50

The Altuglas® EI 25 clear and Altuglas® EI 50 clear are extruded acrylic sheets developed to meet the requirements of applications needing high impact resistance. The polymer structure of this material has been modified by an exclusive additive that enables the sheet to resist impact. Half the weight of the glass and it can be easily thermoformed, bended, cut, drilled and glued. There's no limit to your imagination.

MAIN PROPERTIES

| | |
|-------------------------------|---|
| PMMA (Polymethylmethacrylate) |  |
| Light weight | |
| Transparent | |
| Glossy | |
| UV resistant - No Yellowing | |
| Easy formable | |
| Easy machining | |
| high Impact resistance | |



MAIN APPLICATIONS

- POS, display
- Signage
- Glazing
- Skydome
- Machine cover
- Windshield
- Urban fittings

PACKAGING

- our standard masking film transparent green offers a strong adhesion thanks to an additional adhesive layer.
- our product is store on wood pallets with a cardboard sheet at the bottom and the top.
- The sheets are protected by a clear polyethylene film covering the entire stack.
- Strapped pallet
- the total weight of the pallet and sheets is less than one ton

STORAGE

The following rules has to be applied

- store the product in a dry place, indoors
- place a polyethylene cover over the stack when a sheet is removed, to reduce moisture absorption.
- only use original delivery pallets
- stack pallets of the same size and design to prevent waving
- place pallets on even surfaces (floor or shelf)
- the durability of the protective film is limited (sensitive to UV, temperature, humidity and chemicals)

ALTUGLAS® EI 25-EI 50

CERTIFICATES

- our sheets rely to the norm ISO 7823-2 : 2003 regarding types, dimensions and characteristics

TYPICAL PROPERTIES

| | Measurement Method | Unit | Typical Value | Typical Value |
|---|--------------------|-------------------|-----------------|-----------------|
| | | | Altuglas® EI 25 | Altuglas® EI 50 |
| General Characteristics | | | | |
| Density | ISO 1183 | g/cm ³ | 1.17 | 1.16 |
| Water absorption (24h) | ISO 62 | % | 0.33 | 0.36 |
| Thickness Tolerance: sheet less than 3mm +/- 10 % ; sheet 3mm to 20 mm +/- 5% | | | | |
| Mechanical properties | | | | |
| Flexural Modulus (23°C) | ISO 178 (1mm/mn) | MPa | 2400 | 2100 |
| Tensile strength (23°C) | ISO 527 | MPa | 56 | 50 |
| Elongation at break | ISO 527 | MPa | 32 | 45 |
| Charpy impact strength unnotched | ISO 179/1fU | KJ/m ² | 63 | 85 |
| Charpy impact strength notched | ISO 179/1eA | KJ/m ² | 4 | 5 |
| Thermal properties | | | | |
| Vicat 50 N | ISO 306 | °C | 102 | 100 |
| Coefficient of linear expansion | ASTM D 696 | mm/m/°C | 0.075 | 0.082 |
| Maximum continuous service temperature | - | °C | 75 | 73 |
| Maximum heating temperature | - | °C | 180 | 180 |
| Forming temperature | - | °C | 140-175 | 140-175 |
| Flammability | | | | |
| Euroclass classification | EN 13501 | - | E | E |
| UL | UL 94 | - | HB | HB |
| Optical properties | | | | |
| Light transmittance (3 mm) | ASTM D 1003 | % | 92 | 91,5 |
| Haze | ASTM D 1003 | % | 0.6 | 0.9 |

Note: the indicated typical values are the average values obtained in the laboratory on clear samples 3mm thick .

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/en/products/product-safety/disclaimer/index.html>
See MSDS for Health & Safety Considerations

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