

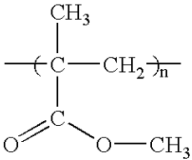
The Oroglas® Metallic is a product with a metallic or 'sparkle' appearance. The different types in this range can vary from translucent to dense coloured, depending on composition involved. Several combinations with base/background colour are possible to obtain, this will result in single-sided effect.

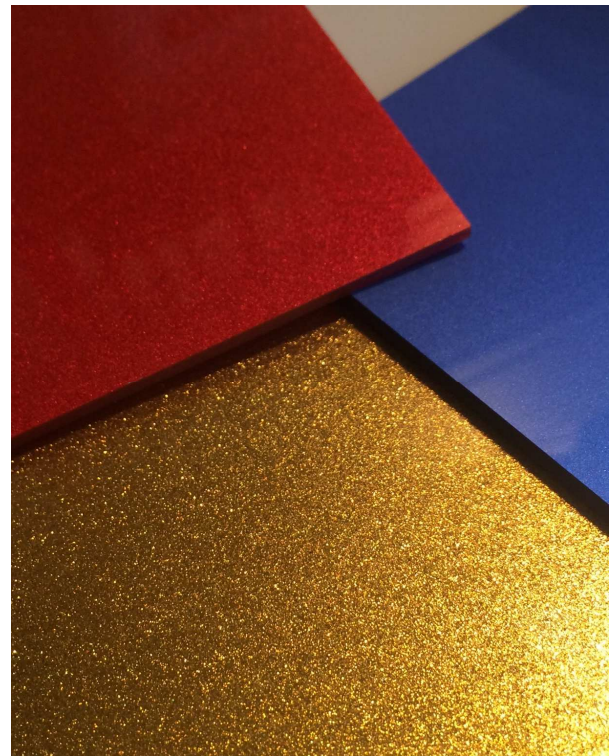
The metallic effect is the result of specific character and orientation of components involved. Therefore effect and intensity of it will vary depending on viewing angle. Because of the 'lively' behaviour of its composition some slight variation in appearance could occur. This variation could be within the sheet or from sheet to sheet.

It can be easily cut, drilled and glued. For thermoforming line bending and drape moulding is possible, stretching is not recommended. The Oroglas® Metallic can also be produced in other grades, like: Elegance or Must.

**The Metallic sheets are delivered with top face downwards!**

## MAIN PROPERTIES

PMMA (Polymethylmethacrylate)	
Light	
Transparent	
UV resistant - No Yellowing	
Thermoformable	
Easy machining	



## MAIN APPLICATIONS

- furniture
- shop fitting
- POP - POS
- Engraving (text plates)
- Decoration
- Eye catching objects

## PACKAGING

- our standard film offers a strong adhesion thanks to an additional adhesive layer. On demand a dedicated thermoformable film can be proposed
- our product is store on wood pallets with a PP sheet at the bottom and a cardboard at the top
- the total weight of the pallet + sheets is less than one ton
- **Metallic grade is delivered top face downwards!**

## 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)

# OROGLAS® METALLIC

## CERTIFICATES

- Altuglas International guarantees that its Oroglas® cast clear product of any thickness up to 25 mm, retain virtually all their characteristics after 10 years exposure to weather. This guarantee covers light transmission, rigidity and tensile strength. Our ten year guaranty is available on demand.
- our sheets rely to the norm ISO 7823-1 : 2003 regarding types, dimensions and characteristics
- our management system fulfils the requirements of the ISO 9001 : 2008

## TECHNICAL SPECIFICATIONS

	Measurement Method	Unit	Value
<b>General Characteristics</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.19
Water absorption (24h)	ISO 62	%	0.3
Water absorption (8 days)	ISO 62	%	0.5
Thickness tolerance		± (0,4 mm + 0,1 x thickness)	
<b>Mechanical properties</b>			
Modulus of elasticity (23°C)	ISO 527-2	MPa	3300
Tensile strength (23°C)	ISO 527	MPa	76
Charpy impact strength (un-notched)	ISO 179/2D	KJ/m <sup>2</sup>	12
Surface hardness (Rockwell scale M)	IS 2039	-	100
<b>Thermal properties</b>			
Vicat softening point (B50)	ISO 306	°C	115
Coefficient of linear expansion	ISO 11359	mm/m/°C	0.065
Maximum continuous service temperature	-	°C	85
Maximum heating temperature	-	°C	200
Linear shrinkage after heating		%	< 2
Forming temperature	-	°C	165-190
<b>Optical properties</b>			
Light transmittance (3 mm)	ISO 13468	Depending on reference	
<b>Flammability</b>			
Self-ignition temperature	-	°C	~ 450
Melt behaviour when burning	-	-	Non drip
Glow wire resistance	EN 60695-2-11	°C	750
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB

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