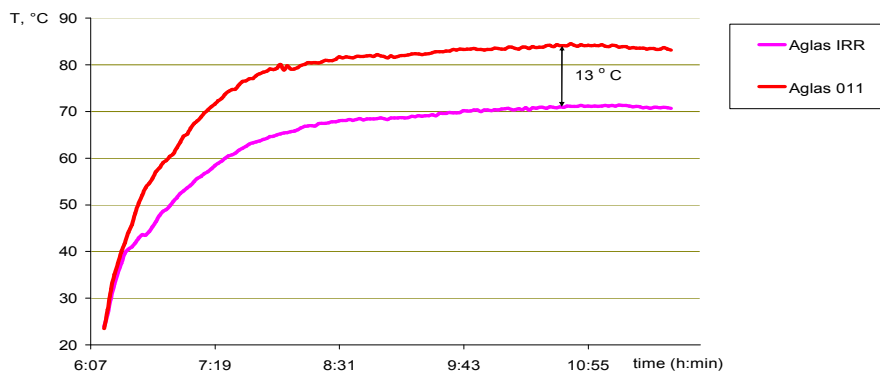


Aglas IRR

Cast acrylic sheets with low heat transmission

The use of **Aglas IRR** sheets for glazing means less warming and lower temperature during summer in the premises, glazed with this material. This means, along with feeling of comfort, also lower air condition costs. **Aglas IRR** is UV protected and transmits only a minimum (harmless) quantity of UV light.

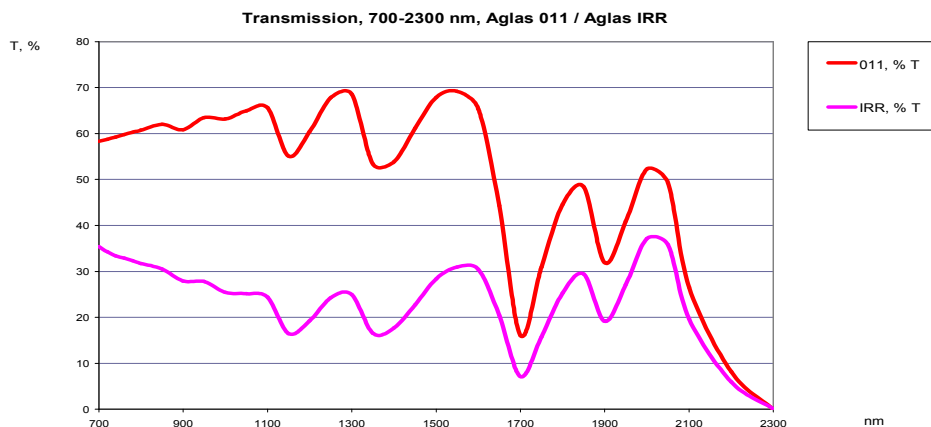
Comparison of heat effects of standard Aglas 011 opal grade and **Aglas IRR**:



Heat effect of **Aglas IRR** versus Aglas opal 011 is illustrated with heating of insulated box, covered by each of these materials under sunshine.

Optical characteristic, comparison **Aglas IRR**, Aglas Opal 011:

Solar energy	IRR	011	Visible light	IRR	011
Transmitted	31 %	53 %	Transmitted	50 %	54 %



Solar energy
Reflected

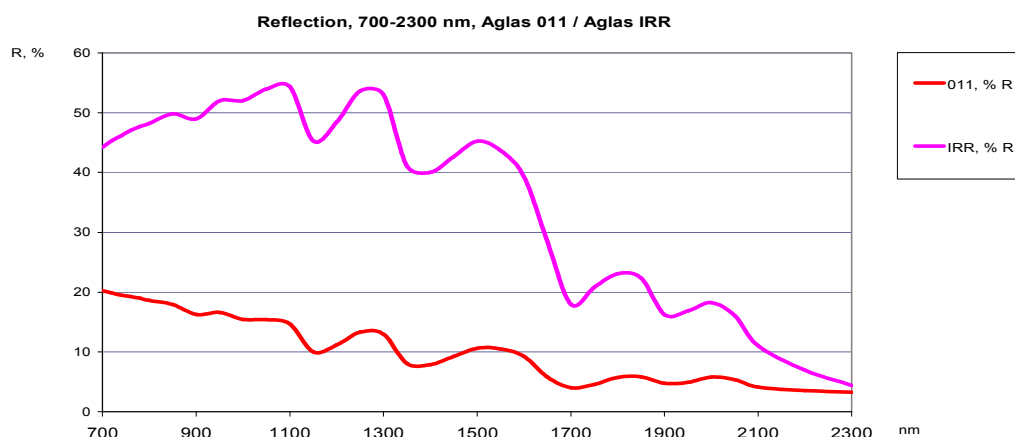
IRR
39 %

011
18 %

Visible light
Reflected

IRR
29 %

011
23 %



Technical and chemical characteristics of **Aglas IRR** satisfy the demands of standard for quality of cast acrylic sheets ISO 7823-1, which succeeded German standard DIN 16975.

tensile strength	≥ 70	N/mm ²	DIN 53 455,
elongation at break	≥ 4	%	DIN 53 455,
modulus of elasticity	≥ 3000	N/mm ²	DIN 53 457,
impact strength	≥ 10	kJ/m ²	DIN 53 453,
Vicat softening point	≥ 105	°C	DIN 53 460.

Aglas IRR is translucent cast acrylic sheet, with a characteristic blue – violet glitter, the look in transmitted light is pale pastel green. Transmission of visible light and constant opal effect are similar to standard Aglas opal sheet for sky domes.



Heat reflecting effect is built in the acrylic sheet and is stable. The surface of **Aglas IRR** is as smooth and shiny as by standard opal acrylic sheet.

Application:
Sky lights, sky domes.
Corrugated and ribbed cast acrylic sheets.
Jutting roofs, covered parking places, stations.

Availability:
Different dimensions,
Maximum dimension: 2550 x 1850

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