

Hesaglas

thin grade cast precision acrylics

Specialities are our standard

HESA-GLAS

Product range

size and thickness: up to 950 x 950 mm, with casting gasket or cut to size.
Standard size, 850 x 850 x 0.2-8.0 mm in steps of 0.1mm

Standard tolerance: +/- 0.2 mm

tight tolerance: +/- 0.1 mm (protocol on request)

colours: clear, 32 standard tints, over 200 formulations,
custom tints upon request.

surfaces: gloss, 3 different satinized (antireflective)

NEW!!! antiscratch and antistatic

cross linking: HL / HT for better mechanical, chemical and
thermal resistance, shock resistant quality.

batch of production: appr. 17 sheets (one batch)

NEW!!! stock items available from 3 sheets

delivery time: normally 3 - 4 weeks, **NEW!!!** Various thicknesses
and colors available from stock in about one week.

Applications:

For display and instrument windows, front panels, infra-red filters, broadband
and contrast enhancement filters, architecture and design, model making and art.
Tested for medical applications and food industry.

Service:

Development of special products and colours, cut to size, parts ready for assembly
(with or without protective film). Hard coating for improved scratch- and chemical resistance.

Contact:

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Technical data:

Physical properties at 20°C

	unit	VOS	HL	HT
bulk density	g/cm ³	1.19	1.19	1.19
tensile strength	N/mm ²	75	75	75
elongation at break	%	4.5	4.0	4.0
bending strength	N/mm ²	135	125	125
modulus of elasticity	N/mm ²	3300	3200	3000
crosslinking		no	partial	strong
surface hardness	Pencil	4H	5H	5H
Vicat softening temp.	°C	100	114	120
heat deflection temperature	°C	100	100	105
temp. for continuous use	°C	-30/70	-30/75	-30/75
deformation temperature	°C	140	170	180
UL fire behaviour,	UL 94	HB	HB	HB
swiss fire classification EMPA 157405	EMPA	V.2	V.2	V.2
flammability according DIN 4102	DIN	B2	B2	B2
construction building				
refractive index	nD20	1.492	1.492	1.492
light transmission (380-780 nm)	%	92	92	92
degree of gloss	60°			
- surface, gloss		145	145	145
- surface, satin extra light		112	112	112
- surface, satin light		85	85	85
- surface, satin strong		15	15	15
surface resistivity	Ω	>10 ¹⁴	>10 ¹⁴	>10 ¹⁴
volume resistivity	Ω	10 ¹⁴	10 ¹⁴	10 ¹⁴
dielectric strength	kV/mm	30	30	30

The stated values are guidelines!

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