



Glasimport Greenhouses

Vetrasol

Diffuse horticultural glass

Specification

	Zero Non Diffuse	LD Low Diffuse	MD 1 Medium Diffuse	MD 2 Medium Diffuse	HD High Diffuse
	10	20	40	55	70
Uncoated product					
Haze +/- 5%	10,00	20,00	40,00	55,00	70,00
T direct (PAR) +/- 1%	92,00	92,00	92,00	92,00	92,00
T hemispherical (PAR) +/- 1%	84,00	84,00	83,00	83,00	82,00
With 1 side AR-coating					
Haze +5% -7%	10,00	20,00	40,00	55,00	70,00
T direct (PAR) +/- 1%	95,00	95,00	95,00	94,00	94,00
T hemispherical (PAR) +/- 1%	87,00	87,00	87,00	86,00	85,00
With 2 sides AR-coating					
Haze + 5% - 7%	10,00	20,00	40,00	55,00	70,00
T direct (PAR) +/- 1%	97,00	97,00	97,00	97,00	95,00
T hemispherical (PAR) +/- 1%	88,00	88,00	88,00	87,00	85,00

Disclaimer: provisional values based on measurements of samples.
Measurements to be done >25 mm from the edge of the glass.

General tolerances

	min. (mm)	max. (mm)
4,0 mm	3,8	4,2
5,0 mm	4,7	5,3

Dimension tolerances	+/- 1,0 mm
Squareness	max: 2 mm difference between the diagonals
Edge-finish	C-edge grinded [DIN 1249-11PK-KMG]
Local bow acc. EN 12150	max: 0,5 mm over a distance of 300 mm (the glass resting on a horizontal surface)
Overall Bow acc. EN 12150	max: 4 mm per meter
	> 700 N/mm ²
Mechanical Strength acc DIN 1288	> 120 N/mm ²
Breakage pattern acc. EN 12150	4mm: min. 40 Pcs, largest piece: < 100 mm long
Thermal resistance acc. EN 12150	Up to 250° Celsius
Spontaneous Breakage	< 300 ppm [no NiS inclusion]
Hail resistance acc vkf procedure Nr.11 Vs.1.02	90° impact (roof elements): Watertightness: HW5 (highest resistance classification) Appearance: HW5 (highest resistance classification)

Visual appearance (basic glass)

Defects	Number of defects & observation acc. EN 572-5
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Visual appearance (AR-coating)

Defects	Number & observation acc. EN 1096-1
Surface	A homogeneous appearance of the surface when observed from a distance of 2 meter No large contrasts / colour differences in the surface allowed Small Interference effects in the appearance is permitted (Observation with diffuse light from the front and against a bright background)
Edges	Coating residues within an area of 8 mm of the edges of the glass are allowed Colour alterations within an area of 20 mm of the edges of the glass are allowed