

Douglass

See more, see better

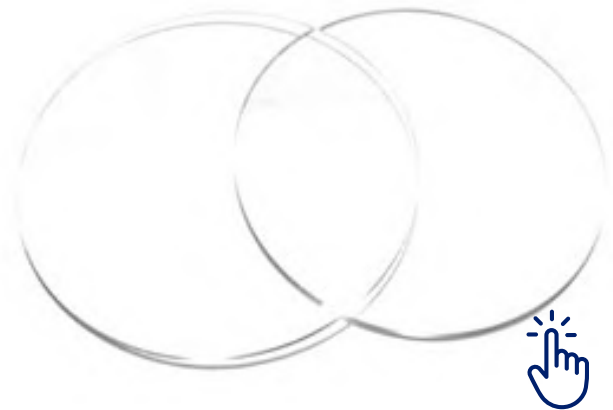


*Dive into the wide range of
spare parts in our Douglass
catalog.*



FLAT POLYCARBONATE SIGHT GLASS

Polycarbonate is a group of thermoplastics that are easy to work with, mold and thermoform, and are widely used in modern manufacturing. The name “polycarbonate” is based on the fact that they are polymers that have functional groups linked by carbonate groups in a long molecular chain. These sight glasses are mainly used in equipment that operates at low temperatures and where safety is sought in the event of breakage due to accidental impact. They are supplied in round, rectangular, oblong, bored, conical shapes, etc. and in thicknesses from ¼” to 2”.



TECHNICAL INFORMATION		
Physical properties	Testing method	Obtained value
Thermic dilatation coefficient	ISO 7991	3.3 X 10-6
Density at 25°C	SN 7005 13	2.23 g/cm3
Refractive index (λ = 587.6 nm) nd		1.472
Maximum annealing temperature	ISO 7884-8	1040°F
Short-term maximum temperature	ISO 7884-7	932°F
Thermal shock resistance	ISO 7884	-45.67°F
Young's modulus		63.150 MPa
Poisson constant		0.2
Thermal conductivity	20°C - 100°C λ	(1.2)(w*m-1)(K-1)
Photoelastic constant	DIN 52314	(4.00 x 10-6)(mm2/N)
Specific electrical resistance 108 Qcm	DIN 52326	482°F
Dimensional tolerance diameter	DIN 7080	PASS
Optical properties	Testing method	Obtained value
Bubbles in glass	DIN 7080	PASS
Marks on glass	DIN 7080	PASS
Chamfer tolerance	DIN 7080	PASS
Viscous knots	DIN 7080	No visible
Glass inclusions	DIN 7080	Less than 0.0078"

OUR WARRANTY

100% Satisfaction Guarantee

Warranty period

Douglass warrants merchandise against defective workmanship and materials that become apparent within a period of 12 months from the date of receipt of invoice by the purchaser (hereinafter referred to as the warranty period). All liabilities under the warranty provisions shall expire when the warranty period has expired.

Please feel free to contact us if you have any questions or comments.

We would love to hear from you!