

Douglass

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TEMPERED SODA LIME SIGHT GLASS

Tempered soda lime circular sight glasses are designed for durability and impact resistance, widely used in less extreme industrial environments.

Soda lime glass, after undergoing a tempering process, significantly increases its strength and resistance to physical shock, making it a cost-effective option for general applications. These glasses are particularly valued for their clear visibility and robustness, suitable for various applications including water treatment facilities, low-pressure vessels, and environmental monitoring equipment.

Their circular shape allows for versatile installation and easy viewing, supporting safe and efficient process monitoring. While not as resistant to high temperatures and chemicals as quartz sight glasses, they offer a reliable and economical solution for a broad range of industrial needs.



TECHNICAL INFORMATION		
Physical properties	Testing method	Obtained value
Thermic dilatation coefficient	ISO 7991	8.72 X 10 ⁻⁷ °K
Density at 25°C	SN 7005 13	2.49 g/cm ³
Refractive index (λ = 587.6 nm) nd		1.472
Maximum annealing temperature	ISO 7884-8	1040°F
Short-term maximum temperature	ISO 7884-7	302°F
Thermal shock resistance	ISO 7884	-333.67°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)(mm ² /N)
Specific electrical resistance 108 Ωcm	DIN 52326	482°F
Dimensional tolerance diameter	DIN 7080	PASS
Chemical properties	Testing method	Obtained value
Bubbles in glass	DIN 7080	PASS
Chamfer tolerance	DIN 7080	PASS
Viscous knots	DIN 7080	PASS
Glass inclusions	DIN 7080	Less than 0.2mm

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!