

Heat Absorbing Soda-Lime Glass

Glass Fabrication



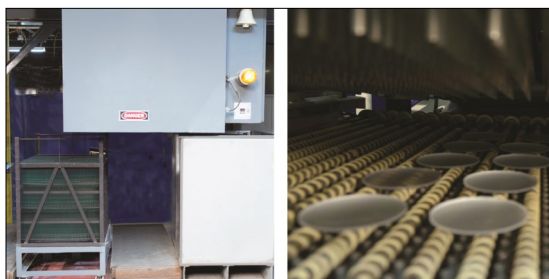
Coating Deposition



CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



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Your Total Solution Partner

Heat Absorbing Soda-Lime Glass

Heat Absorbing Float Glass (HAFG) provides superior performance in reducing solar heat gain while maintaining desirable high visible light transmission. The light blue/green color subdues brightness while providing the highest visible light transmittance (77% for 6.0 mm thickness) of all tinted glass substrates currently available.

Feature:

- Absorbs Infra-Red (IR)

Application:

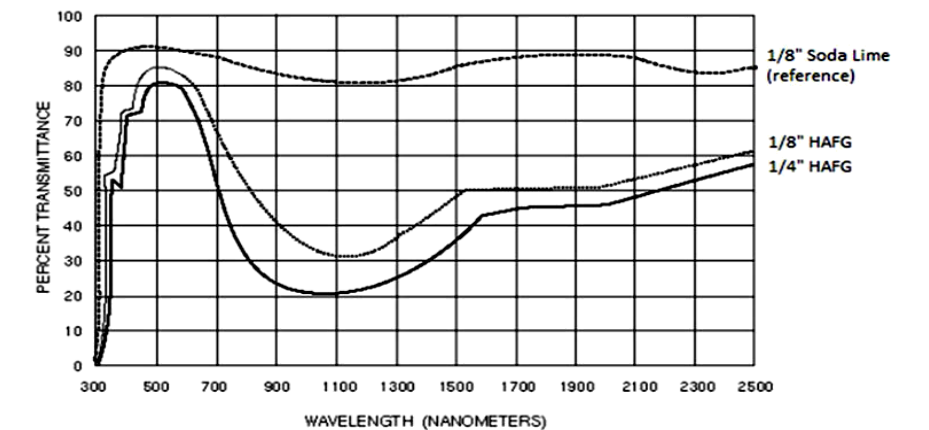
- Short Pass (SP) Filters

Dimensions:

- Thicknesses:
 - 1/8" & 1/4" (3.175 & 6.35mm)
- Sheet Size:
 - Up to 60" x 84" (1524 x 2133.6mm)

Optical Properties	Measurement
Refractive Index at Sodium D Line (ND)	1.5184
CIE Illuminate "C" Data Chromaticity Coordinates	X=0.301 y=0.323
Dominant Wavelength	501nm
Excitation Purity	2.9%

Transmission



Thermal Properties	Measurement	
Expansion Coefficient (25°C to 300°C)	8.6 x 10 ⁻⁶ /°C	4.8 x 10 ⁻⁶ /°F
Specific Heat at 0° - 100°C (32°F to 212°F)	0.205	
Softening Point	719°	1327°F
Annealing Point	540°C	1004°F
Strain Point	503°C	937°F

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