GAR Data Sheet

Overview:
GAR Glass is a non-conductive anti-reflective glass that comes in a varity of thicknesses and is also avalible as single or double side coating in select thicknesses. The glass used for GAR is a soda lime or low iron glass with AR coating.

Features & Benefits
GAR has high tranmission and low reflectance properties. It increases fixture efficiency, is environmental and UV durable. GAR has a High Color Rendering Index (CRI), neutral light transmission, and is avalible in multiple glass types and thicknesses, making it suitable for a variety of applications such as: lighting, displays, and cameras.

Physical and Optical Properties

Product Options	Single-side AR coating Double-side AR coating
Glass Substrate	Soda Lime Low Iron
Glass Thickness	3 Standard 1.6, 2, 4.0mm Non-Standard

Transmission (SS)	> 94%, 500 – 600 nm (on low-iron glass)
Transmission (DS)	> 98%, 500 – 600 nm (on low-iron glass)
Reflectance	400 - 750 nm average of < .5%
Adhesion	No damage or delamination after snap tape test
Abrasion Resistance	No degradation after a 220-rub test with a 3/8" diameter x 1/2" thick cheesecloth pad loaded with 1 +/- 1/4 pounds on a crockmeter
Humidity Exposure	No deterioration after 24 hour exposure to 49°C and 95% relative humidity
Chemical Exposure	No visible change (< 1%Δ Trans) after 24 hr soak in DI water, acetone, IPA, and Ethyl Alcohol
Salt Fog Exposure	No deterioration after 24 hour exposure to salt fog (5% NaCl in water) at 35°C

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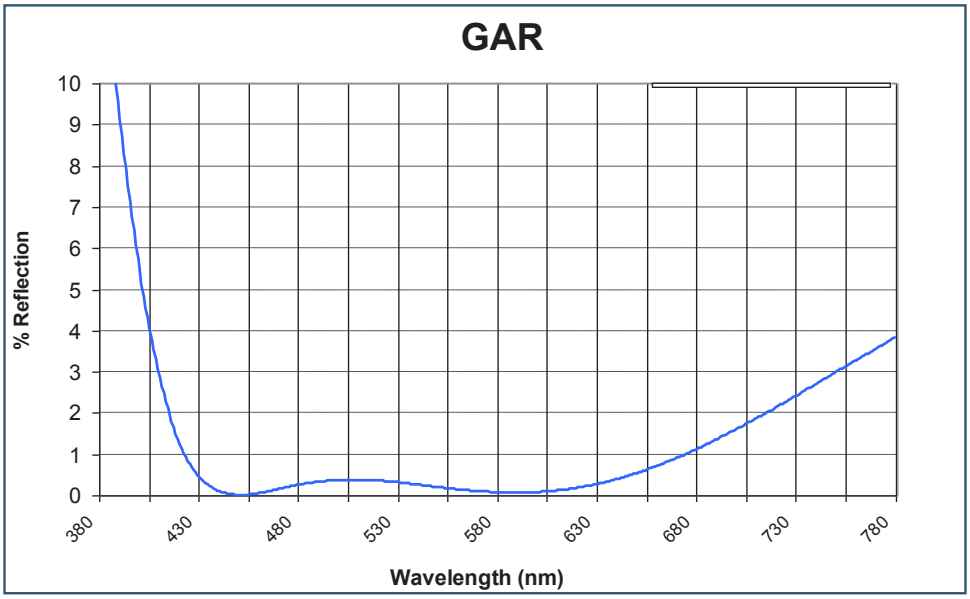
Performance Data

Reflectance vs. Wavelength



Reflected Color