



# Zenith® Diffuser Material

*durable, low cost diffusers for backlighting applications*

## FEATURES

- Lambertian
- Durable, cleanable
- High transmittance with low backscatter characteristics

## TYPICAL TRANSMISSION

Our Zenith diffusers are made of a PTFE based polymer with unique optical properties. The thin sheets offer diffuse transmittance for a variety of light scattering applications, as well as diffuse reflectance and durability for a variety of backlighting applications. The material is ideal for use in radiometric and photometric diffusers, general backlighting, flat panel, and display applications.

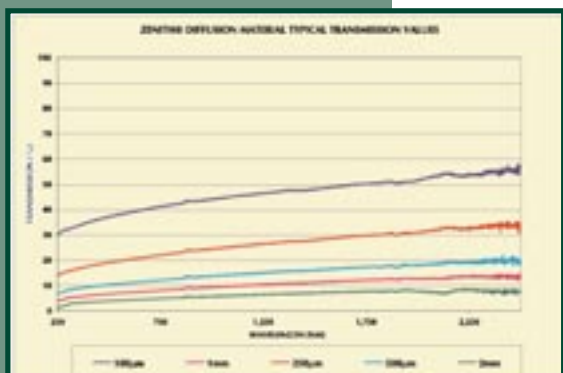


Zenith diffusers are available in thicknesses of 100µm, 250µm, 500µm and 1mm with transmission values of approximately 8% to 50% over the wavelength region covering 250 nm to 2500nm. Custom sizes and thicknesses are available upon request.

## ORDERING INFORMATION

Part No.	Description	Thickness	Transmission
SG-3201	8 x 12 inch (20x30cm)	100µm	approx. 50%
SG-3203	8 x 12 inch (20x30cm)	250µm	approx. 25%
SG-3205	8 x 12 inch (20x30cm)	500µm	approx. 16%
SG-3210	8 x 12 inch (20x30cm)	1mm	approx. 8%

For additional information, please contact us by phone or email.



[www.sphereoptics.com](http://www.sphereoptics.com)

### USA

SphereOptics, LLC  
 Tel: 603-746-2000 • US Sales: 858-695-2895  
 Fax: 603-746-3007  
 Email: [sales@sphereoptics.com](mailto:sales@sphereoptics.com)

### GERMANY

SphereOptics GmbH  
 Tel: +49 (0) 7556-9299666  
 Fax: +49 (0) 7556 50108  
 Email: [info@sphereoptics.com](mailto:info@sphereoptics.com)

### FRANCE

SphereOptics SARL  
 Tel: +33 (0) 1 69 07 21 84  
 Fax: +33 (0) 1 69 07 71 38  
 Email: [infofr@sphereoptics.com](mailto:infofr@sphereoptics.com)