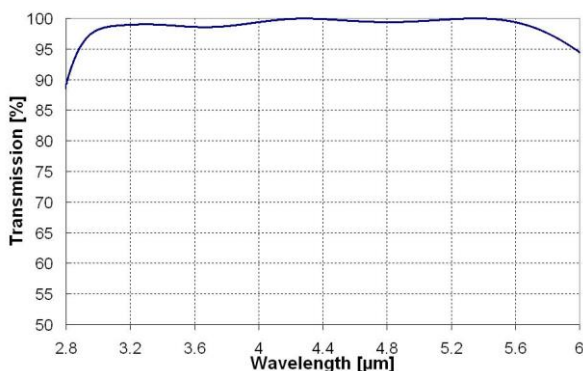


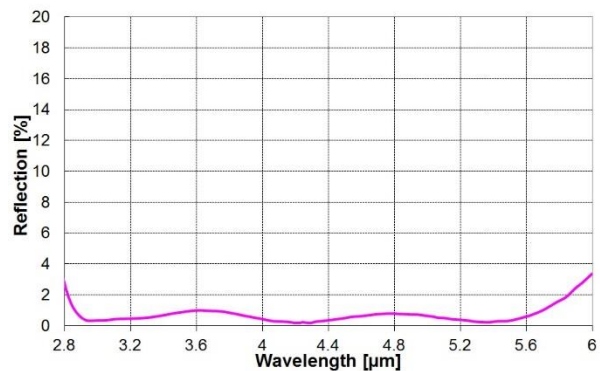
JENODUR 417/001

Broadband Antireflection Coating for IR on Zinc Sulfide

Transmission curve



Reflection curve



Optical properties

Rave (3,3 – 5,4 μm) < 0,8 % per surface
 Rave (5,4 – 5,8 μm) < 1,5 % per surface

Typical data for reflection (one side coated witness piece)
 and transmission (both sides coated witness piece):

Rave (3,3 – 5,8 μm) < 0,6 % per surface
 Tave (3,3 – 5,8 μm) > 99,0 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For Zinc sulfide windows and lenses
- Spectral range from 3,3 to 5,8 μm
- Angle of incidence: 0 – 15 °

Durability

Adhesion: MIL-C-48497A / section 4.5.3.1
 Humidity: MIL-C-48497A / section 4.5.3.2
 Abrasion resistance: MIL-C-48497A / section 4.5.3.3
 Temperature change: MIL-C-48497A / section 4.5.4.1
 Solvent resistance: MIL-C-48497A / section 4.5.4.2

Substrate material

Zinc Sulfide

Special features

This coating is absolutely free of any radioactive material.
 Please contact us if you need another wavelength range
 or angle of incidence.