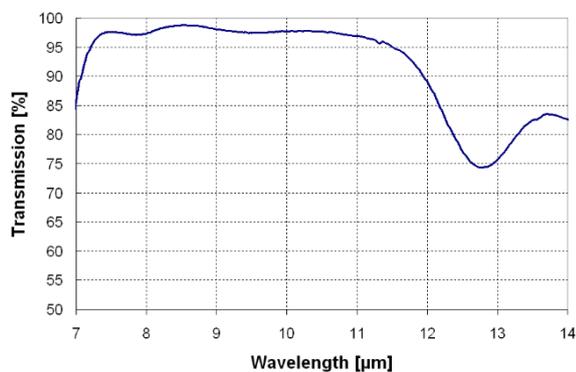


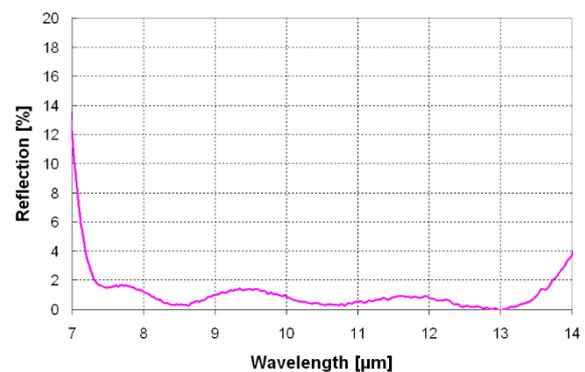
JENODUR 414

Broadband Antireflection Coating for IR on Chalcogenide IG4

Transmission curve



Reflection curve



Optical properties

- Rave (7,5 – 8,0 μm) < 1,0 %
- Rave (8,0 – 12,0 μm) < 0,5 %
- Rave (12,0 – 14,0 μm) < 1,0 % per surface

Typical Data for transmission (both sides coated witness piece):

- Tave (7,5 – 8,0 μm) > 97,0 %
- Tave (8,0 – 12,0 μm) > 96,5 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For IG4 windows and lenses
- Spectral range from 7,5 to 14,0 μm
- Angle of incidence: 0°

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

Chalcogenide glass

Special features

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