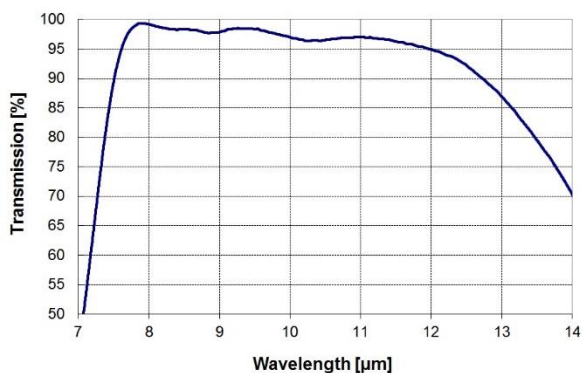


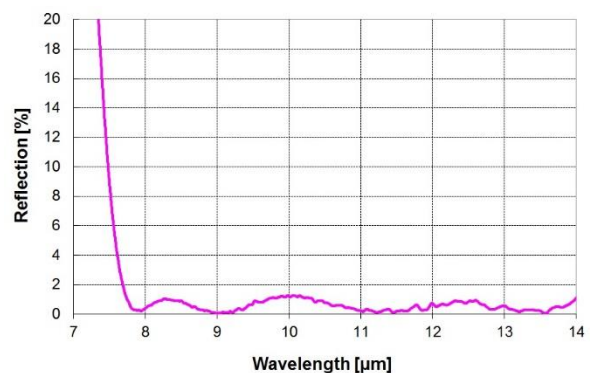
JENODUR 427

Broadband Antireflection Coating for IR on Chalcogenide IG6

Transmission curve



Reflection curve



Optical properties

Rave (8,0 – 12,0 μm) < 0,5 %

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

Tave (8,0 – 12,0 μm) > 97,0 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For IG6 windows and lenses
- Spectral range from 8,0 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 IG6

Special features

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