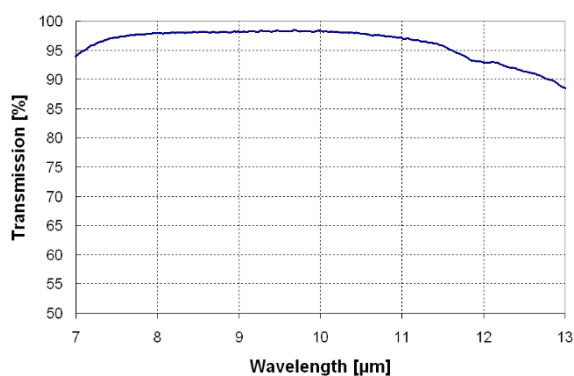


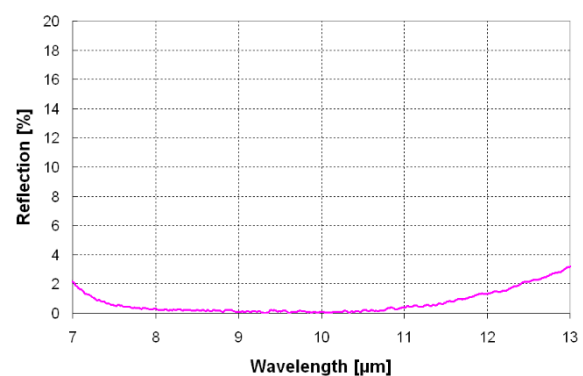
JENODUR 411

Broadband Antireflection Coating for IR on Germanium

Transmission curve



Reflection curve



Optical properties

Rave (8,0 – 11,5 µm) < 0,5 % per surface

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

Tave (8,0 – 11,5 µm) > 98,5 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For Germanium windows and lenses
- Spectral range from 8,0 to 11,5 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

Germanium

Special features

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