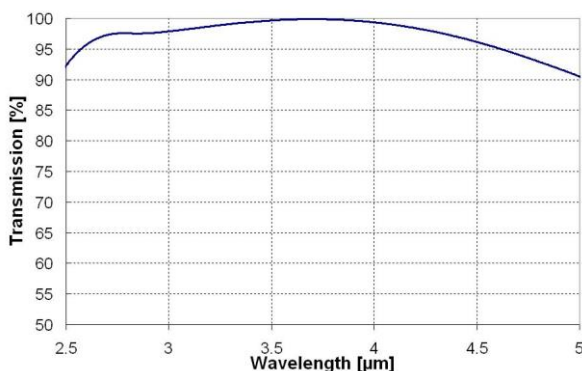


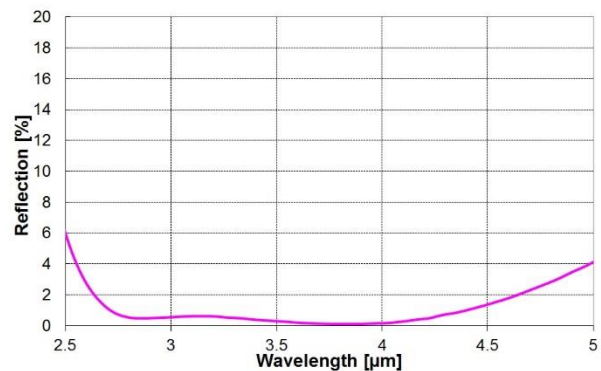
JENODUR 418/001

Broadband Antireflection Coating for IR on Calcium Fluoride

Transmission curve



Reflection curve



Optical properties

Rave (2,8 – 3,9 μm) < 0,3 % per surface
Tave (2,8 – 3,9 μm) > 98,5 %

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

Rave (3,3 – 5,8 μm) < 0,5 %, per surface
Tave (3,3 – 5,8 μm) > 98,5 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For Calcium fluoride windows and lenses
- Spectral range from 2,8 to 3,9 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

Calcium Fluoride

Special features

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