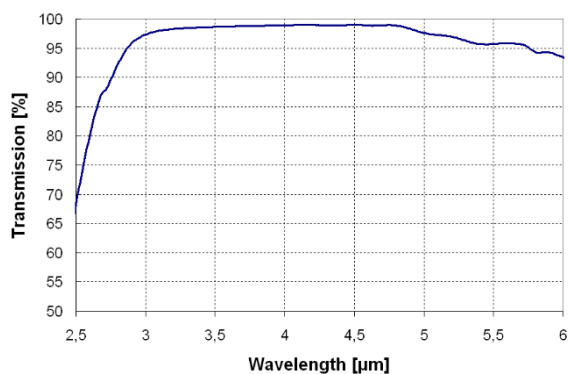


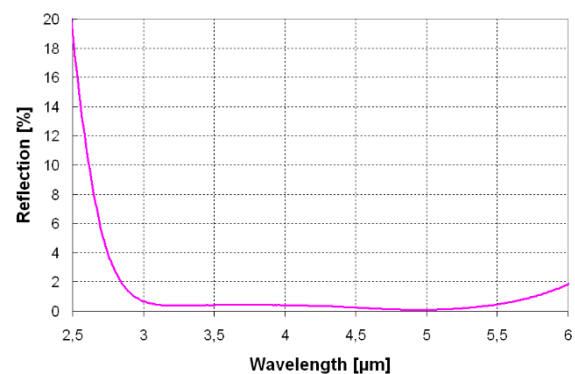
JENODUR 404/003

Broadband Antireflection Coating for IR on Silicon

Transmission curve



Reflection curve



Optical properties

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

Tave (3,4 – 5,1 μm) >= 98,0 %

Tabs (3,4 – 5,1 μm) > 95,0 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For Silicon windows and lenses
- Spectral range from 3,4 to 5,1 μm
- Angle of incidence: 0 – 30 °

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

Silicon

Special features

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