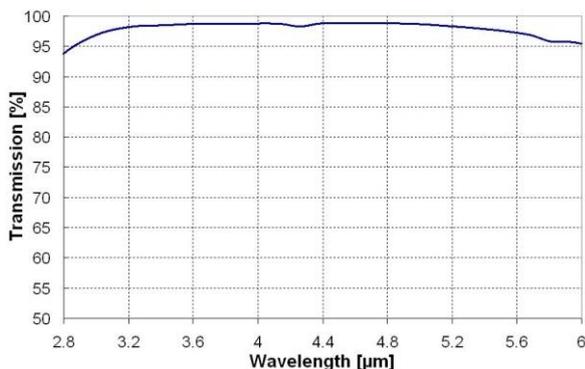


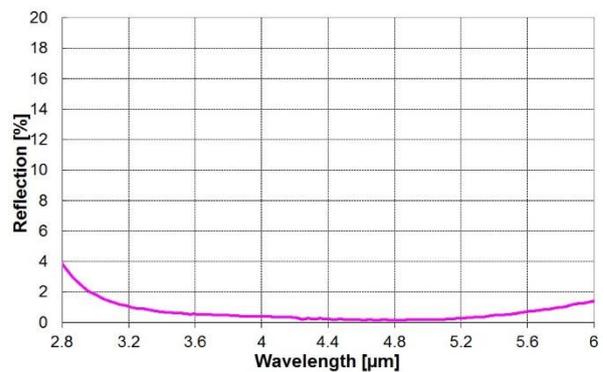
JENODUR 416/001

Broadband Antireflection Coating for IR on Silicon

Transmission curve



Reflection curve



Optical properties

Rave (3,0 – 5,0 μm) < 0,6 % per surface

Tave (3,0 – 5,0 μm) > 98,0 %

Tab_s (3,0 – 4,5 μm) > 98,0 %

Tab_s (4,5 – 5,0 μm) > 95,0%

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

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

Tave (3,0 – 5,0 μm) > 98,6 %

Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For Silicon windows and lenses
- Spectral range from 3,0 to 5,0 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

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.