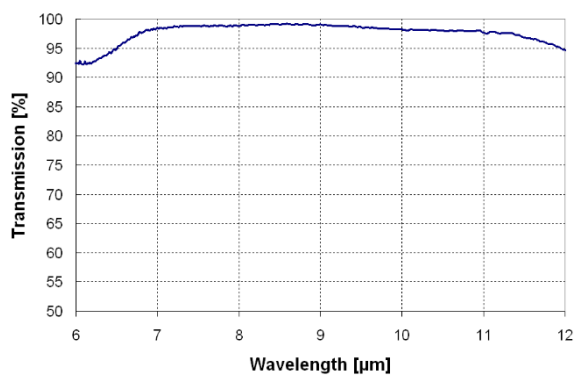


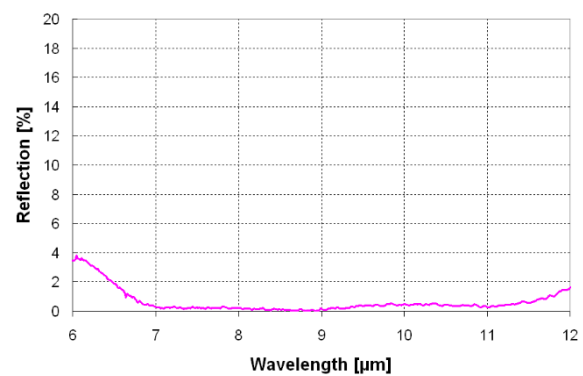
# JENODUR 424

## Broadband Antireflection Coating for IR on Zinc Selenide

Transmission curve



Reflection curve



### Optical properties

Tave (7,0 – 9,5 μm) ≥ 97,0 %  
 Tabs (7,0 – 9,5 μm) ≥ 96,0 %  
 Tave (9,5 – 11,0 μm) ≥ 93,0 %  
 Tabs (9,5 – 11,0 μm) ≥ 92,0 %  
 Tave (11,0 – 11,8 μm) ≥ 92,0 %

Rabs (7,0 – 9,5 μm) ≤ 0,9 % per surface  
 Rabs (9,5 – 11,0 μm) ≤ 1,0 % per surface  
 Rabs (11,0 – 11,8 μm) ≤ 1,3% per surface

### Applications

- Durable broadband antireflection coating
- Tested on 1mm thick coated witness pieces
- For ZnSe windows and lenses
- Spectral range from 7,0 to 11,8 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

Zinc Selenide

### Special features

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