**JENODUR 404**

Broadband Antireflection Coating for Si Substrates

### Optical properties:
- $T_{avg} > 98.0\%$ from 3,0 $\mu$m to 5,0 $\mu$m
- $T_{abs} > 98.0\%$ from 3,0 $\mu$m to 4,5 $\mu$m
- $T_{abs} > 95.0\%$ from 4,5 $\mu$m to 5,0 $\mu$m
- (1 mm thick both sides coated witness piece)
- $R_{avg} < 0.6\%$ per surface from 3,0 $\mu$m to 5,0 $\mu$m

### Applications:
This broadband antireflection coating is a durable multilayer AR coating for Si windows and lenses which use the spectral range from 3,0 $\mu$m to 5,0 $\mu$m.

### Durability:
- Temperature: MIL-C-48497 A / section 4.5.4.1
- Humidity: MIL-C-48497 A / section 4.5.3.2
- Adherence: MIL-C-48497 A / section 4.5.3.1
- Severe abrasion: MIL-C-48497 A / section 4.5.5.1
- Water solubility: MIL-C-48497 A / section 4.5.5.3

### Substrate material:
Si

### Special features:
This coating is hard and very durable.

Other specifications are possible on request.