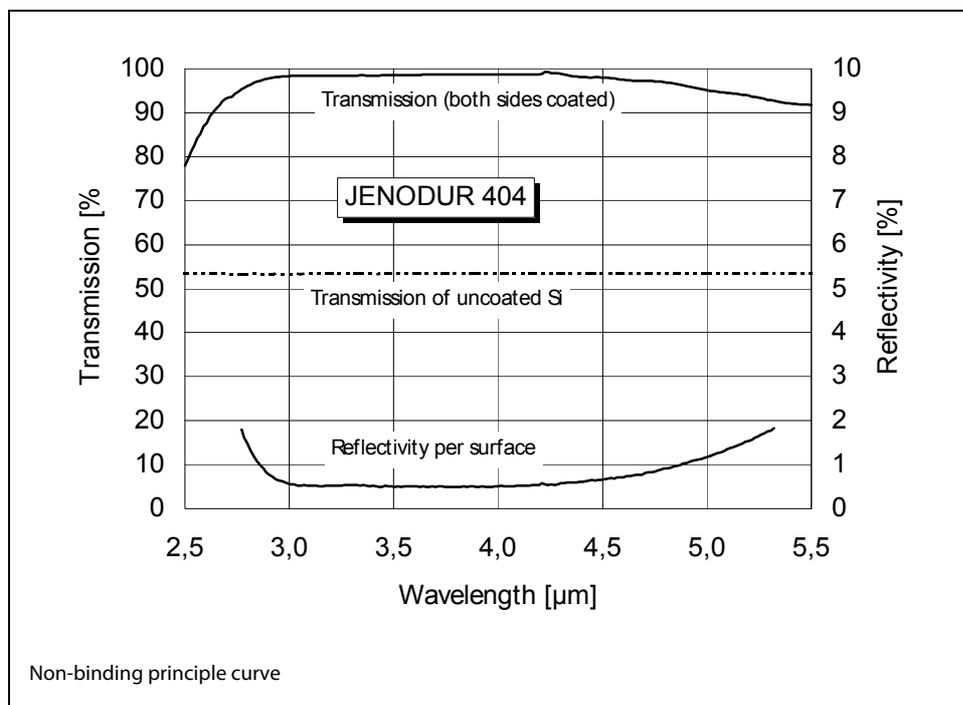


JENODUR 404

Broadband Antireflection Coating for Si Substrates



AR - Coating for IR

Optical properties:

$T_{\text{ava}} > 98,0 \%$ from 3,0 μm to 5,0 μm
 $T_{\text{abs}} > 98,0 \%$ from 3,0 μm to 4,5 μm
 $T_{\text{abs}} > 95,0 \%$ from 4,5 μm to 5,0 μm
 (1 mm thick both sides coated witness piece)
 $R_{\text{ava}} < 0,6 \%$ per surface from 3,0 μm to 5,0 μm

Applications:

This broadband antireflection coating is a durable multilayer AR coating for Si windows and lenses which use the spectral range from 3,0 μm to 5,0 μm .

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.

Issue:

October 02

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Ordering code:

JENODUR 404 (wavelength range)