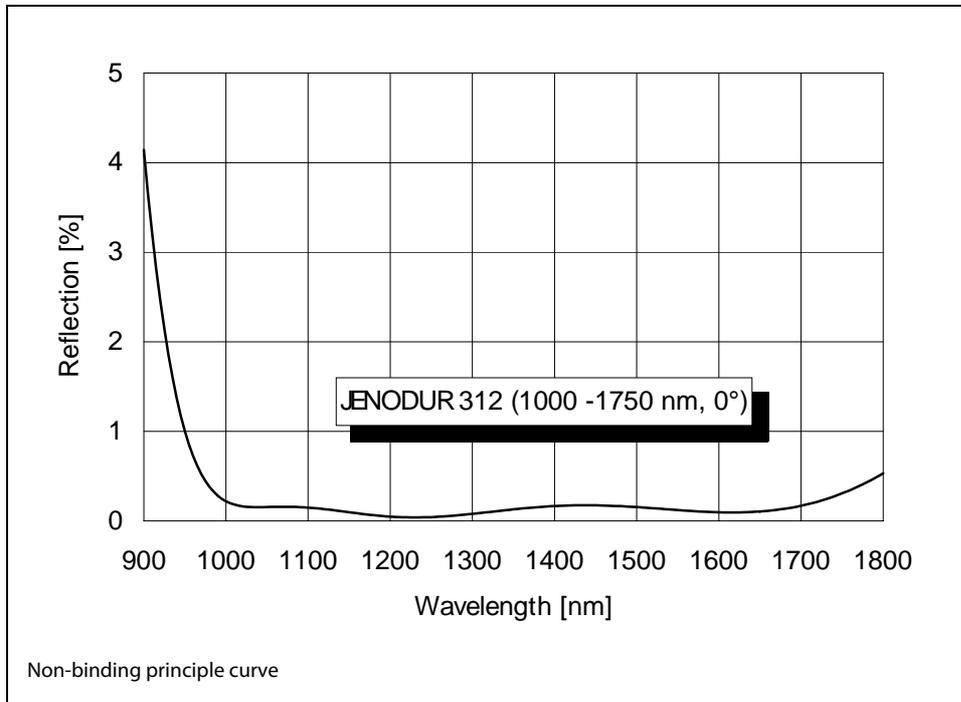


JENODUR 312

Super Broadband Antireflection Coating



AR- Coating for NIR

Optical properties:

$R < 0.5\%$ for each substrate surface within the AR- band at 0° angle of incidence.

$R < 1.0\%$ for each substrate surface within the AR - band at 45° angle of incidence.

Applications:

Antireflection coating with a typical band - width of about 400 nm (maximum 750 nm) in the range from 800 to 2600 nm

Angle of incidence: 0° to 45°

Durability:

Adhesion:	MIL-C-48497A / section 4.5.3.1
Abrasion resistance:	MIL-C-48497A / section 4.5.3.3
Humidity:	MIL-C-48497A / section 4.5.3.2
Temperature change:	MIL-C-48497A / section 4.5.4.1
Solvent resistance:	MIL-C-48497A / section 4.5.4.2
Salt spray test:	MIL-C-675C / section 3.8.3

Substrate material:

Transparent optical glass or crystal with $1.45 < n < 2.4$ e.g. Infrasil, CaF_2 , ZnSe, Si, SF 1, SF10, K5 and sapphire can be coated. The application to other materials is possible.

Please, indicate the type of substrate or its refractive index at the design wavelength.

Special features:

This is a low - loss and extremely hard coating.

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JENODUR 312 (wavelength range; angle of incidence)