JENODUR 312

Super Broadband Antireflection Coating

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 4.5.3.2
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, CaF2, ZnSe, Si, SF 1, SF10, K5 and sapphire can be coated. The application to other materials is possible.

Special features:
This is a low-loss and extremely hard coating.

Ordering code:
JENODUR 312 (wavelength range; angle of incidence)