Data sheet

JENODUR 205
Multilayer Antireflection Coating

Optical properties:
R < 0.5 % for each substrate surface at 0° angle of incidence in the AR-band
R < 1.0 % per substrate surface at 45° angle of incidence (unpolarized light) in the AR-band

Applications:
Antireflection coating with a band-width of about 100 nm in the range from 240 to 450 nm
Angle of incidence: 0° to 45°

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 4.5.5.1
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
Boiling test: DIN 58 196, part 2, sect. 5.1/C5

Substrate material:
Fused silica (SQ1 or Suprasil 1)

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

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