



1 Plastic lenses.

2 Steel Wool Testing on coated plastic lens.

3 AR-hard® with UV cut-off filter on Trogamid® CX.

PVD COATING ON POLYAMIDE TROGAMID® CX

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Motivation

TROGAMID® CX is a transparent micro-crystalline Polyamide which is characterized by a high chemical durability. Optical components and eye glasses can be made by injection molding.

Performance

TROGAMID® CX 7323 shows excellent adhesion properties and high stability in low pressure plasma processes. It is suitable for Plasma-ion assisted deposition of multifunctional optical interference coatings therefore.

Coating Applications

- Scratch resistant antireflection coating AR-hard® (1µm to 3 µm thickness)
- AR-hard® combined with UV cut-off filter
- Antireflection for laser wavelengths
- Beam splitter

Properties

- Adherence according to ISO 9211-02-03
Tape-Test, snap
- Environmental Durability according to ISO 9022-2:
Temperature range: -10°C to +70 °C