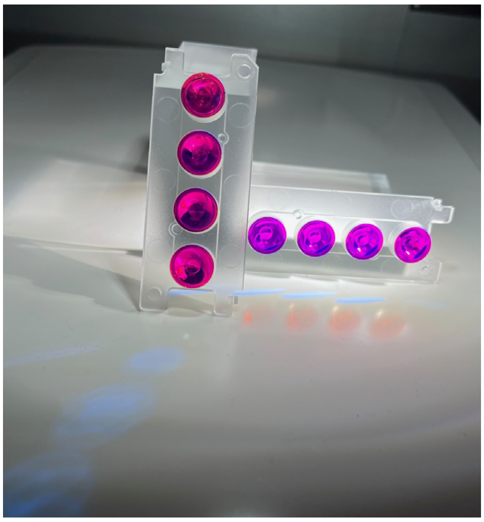
Coating on Plastics

Coatings improve the quality and give the plastic additional properties. Plastic components can be provided with anti-reflective coatings, mirror coatings or layers for filtering and splitting light beams. In areas such as head-up displays and lighting reflectors, plastic optics are used for weight and cost reasons.



Thin layers of metals and dielectric materials can reflect, anti-reflect, split or filter light beams as required. For example, they increase reflection or suppress unwanted light reflections. The coatings also improve resistance to mechanical and chemical influences, scratches and dirt.

Applications

Automotive (Head-Up-Displays), reflectors for lighting, optical applications (lenses, sensors), automation

Coatings (examples)

- Antireflective Coatings (AR)
- Highly reflective coatings / Mirrors
- Transparent, conductive coating (ITO)
- Optical filter coatings
- Beam Splitters

Substrates

PC (Polycarbonats), COC (Cycloolefin-Copolymers), COP (Cycloolefin-Polymers), Zeonex, PMMA with hard varnish

Further on request..