oxford advanced surfaces

oas – About Us

- Formed in 2006 – Spin-out of Oxford University
  - Listed on AIM UK Stock market (OXA)
- Dedicated team of research chemists & material scientists
  - Fully equipped synthetic & application laboratories
  - Close links to Oxford University
    - Wide range of surface analysis and materials characterisation services (SEM, XPS, Particle size, nano-indentation)
    - Ongoing research collaborations with Chemistry, Materials' Science and Engineering departments
- Strong industrially-experienced management team
- ISO 9001:2008 certificated

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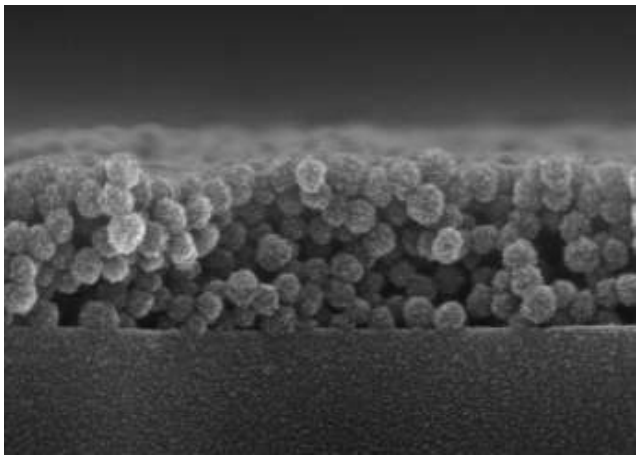
VISARC™ Anti-Reflective Coatings

- Optimum performance
  - ~0.1% reflection on glass
  - <1.0% on Polycarbonate
- Single-layer wet-process
  - λ/4 coating
  - Spin, dip, roll-to-roll application
  - Lower-cost investment
- Variable refractive index
  - Range from 1.23 ~ 1.45
  - Suitable for glass, PC, PMMA, TAC, PET,……



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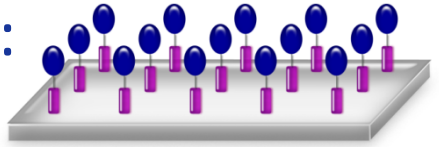
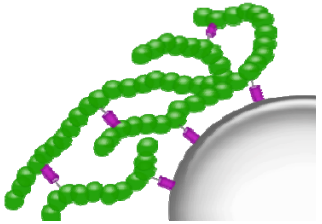
Onto™ Functionalisation

- Using Onto™ we can change the surface properties of multiple material types & forms:
  - Organic & inorganic materials
  - Sheets/films, membranes, textiles, pellets, powders
  - Flexible manufacturing options to match partner's process
    - Dip, spin, roll-to-roll ….



- Applications in many areas of processing
  - Wetting properties
    - Hydrophobic, hydrophilic, oleophobic etc
  - Adhesion promotion
  - Targeted particle delivery



science applied Onto (Just about anything)

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Onto™ Cross-Linking Technology

- Uniquely using multiple “reactive heads” a coupling and cross-linking technology has been developed which improves
  - adhesion between surfaces
  - Increases cohesion within polymeric materials
- Application areas
  - Plastic electronics - interlayer adhesion
  - Composites
  - Adhesion promotion inter-surface