

**Case study:****Vrieco-Nauta mixer with intensifier  
Viscous polymers for membrane production****Application**

Heating up and intensive mixing of Polyphenylene oxide with solvents and de-aeration to a viscous liquid including de-aeration.

**Requirement:**

- Homogeneous viscous fluid without agglomerates with a constant viscosity.
- Reduce the cycle time to dissolve the polymer.
- Reduce the loss of product per cycle.

**Hosokawa solution:**

- Vrieco-Nauta mixer
- Type 08 LDC 41
- Vacuum and pressure design
- Double Jacket: 90 °C, 3 bar (g)
- Intensifier with rotor

