

## Substitution of POM Homopolymer by Ultraform for Ball Sockets used for Stabilizer Rods

### Requirements:

- High compression resistance – low creep
- High toughness / resilience for a breakage-proof snap-fit assembly
- Good sliding behaviour and high resistance against wear
- Excellent chemical resistance , e.g. against grease and oils
- High dimensional stability – extremely low swelling by lubricants and moisture
- Economical precision injection moulding

### Example:



### Advantages of Ultraform compared to POM homopolymer:

- Broader processing window – makes optimized manufacture possible
- High thermal stability – low tendency to form mould deposits – longer cleaning intervals and therefore fewer interruptions of production
- Significantly better heat-ageing resistance – increased long-term safety during use
- Significantly higher chemical resistance (e.g. against hot water or alkaline substances) – increased safety during use.