

SUSTAnews

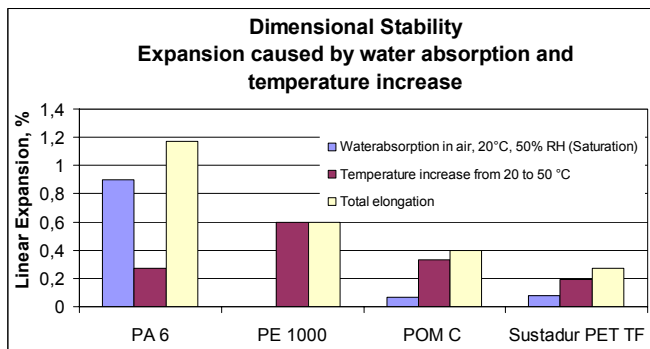
Self lubricating material for high loads

Sustadur® PET TF semi-finished products available ex stock

The combination of the high crystalline thermoplastic material PET (Polyethylenterephthalate) with PTFE (Polytetrafluorethylene, brand name f.ex. „teflon“) as a sliding additive make Sustadur® PET TF an outstanding material.

The basic material PET provides:

- High dimensional stability because of:
 - Low thermal expansion
 - Low creep sensitivity
 - Low water absorption
- High mechanical rigidity and strength, thereby high load capacity
- Excellent machinability

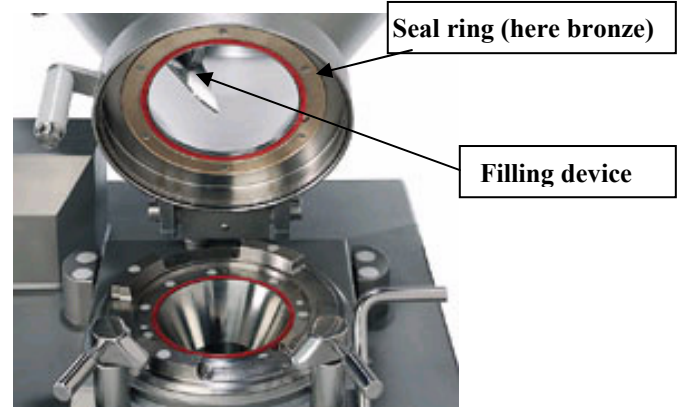


The homogeneous dispensed solid lubricant improves the tribological behaviour in comparison to Sustadur® PET:

- Permanent self lubricating
- Low and constant coefficient of friction thus lower stick-slip effect
- Increased wear resistance

These characteristics allow many applications, which require a long lasting good sliding behaviour and simultaneously high load capacity. The quite often measured PV-limit value (Maximum value of the product from pressure and speed) depending on the ambient conditions is up to two times higher compared to Sustadur® PET (dependent on the ambient conditions).

Sustadur® PET TF is in accordance with the FDA directives and therefore it is suitable for direct food contact.



Seal ring in a vacuum sausage filling equipment made made of bronze (see photo) was replaced by Sustadur® PET TF. Advantage: low abrasion during slide of the filling device over the ring.

Following dimensions are available ex stock:

Sheets: 3000 x 620mm

Thickness: 10, 16, 20, 35, 40, 50 mm

Rods: Length 3000 mm

Diametre: 18, 20, 25, 30, 35, 40, 45, 50, 60, 80, 100 mm