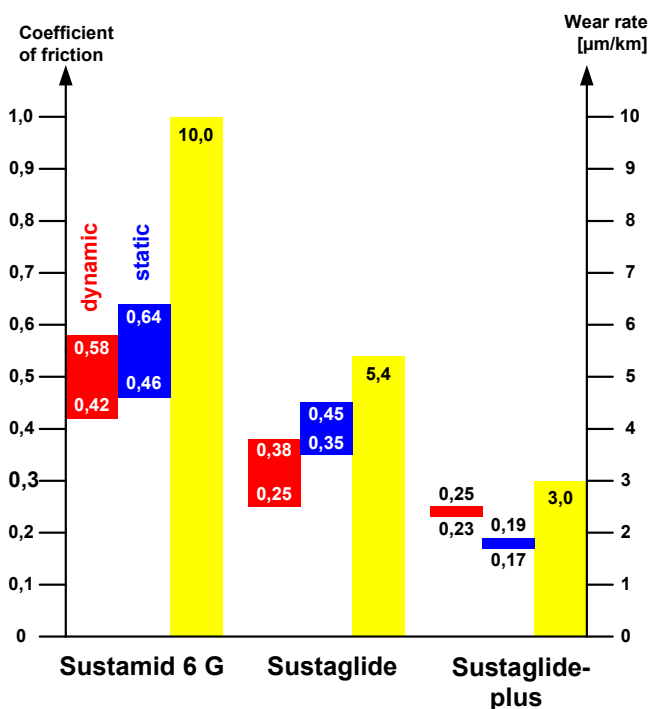


# SUSTAnews

## New low friction slide material SUSTAGLIDE-plus

Minimizing friction and wear generated by moving parts in industrial environments is the most important field of application for cast nylon materials. SUSTAGLIDE addressed many of those application challenges. SUSTAPLAST now introduces a second generation product, SUSTAGLIDE-plus, with an even higher bearing capacity.

- The modulus of elasticity of SUSTAGLIDE-plus is 30-40% higher, resulting in higher resistance to deformation.
- SUSTAGLIDE-plus has a higher continuous operating temperature
- Wear resistance and Coefficient of Friction are dramatically improved
- Stick-slip tendency is reduced since the static coefficient of friction is lower than the dynamic one, when compared with other materials



The values were determined according to ISO 7148 (pin-on-disk test) under exactly the same test conditions to assure comparability.

### Suggested Applications

#### Rollers

SUSTAGLIDE-plus is used for rollers which are exposed to high stress, and which are positioned on a ground steel shaft. The rollers function as guides for telescoping steel tubes. Only one

application of lubricant is necessary, upon installation.

#### Slide pads

Pads made of SUSTAGLIDE-plus are used on truck bodies, on which truck beds glide. The pads bear the weight of the 10-15 ton platforms. The mating part is flat stainless steel. External lubrication is not necessary. Dry operating conditions are required to avoid a combination of lubricant, dust, and sand, which would form an abrasive mixture which could quickly abrade the surface. SUSTAGLIDE-plus replaces UHMW-PE in this application due to the high mechanical strength of SUSTAGLIDE-plus.

#### Guides

Sliding guides of SUSTAGLIDE-plus hold and guide telescoping high tolerance pieces. This results in extremely high surface pressures, which can not be calculated. In this application there is no need for external lubrication. SUSTAGLIDE did not meet this application, but SUSTAGLIDE-plus did.



application sliding guide

**SUSTAGLIDE-plus is the optimal solution in applications which currently require external lubrication. In many applications, the need for external lubrication may be eliminated.**