

# Move Forward with TriboShield® Coating Solutions



## TriboShield® TS741

TS741 is based on high-performance thermoplastics specifically developed for demanding and heavy duty applications. Very high load bearing capacity and low friction at moderate to high loads are some of its standout features. TS741 is part of the standard TriboShield® product range.

### TYPICAL APPLICATIONS

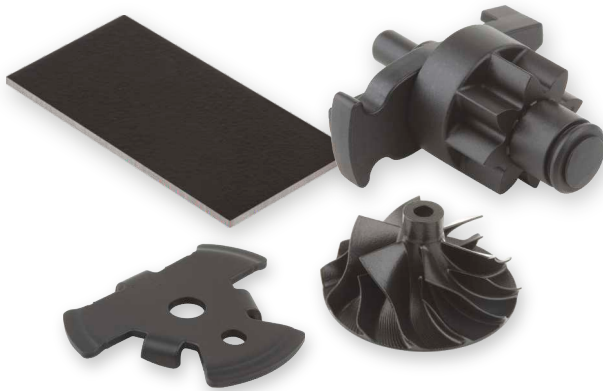
- Highly loaded mechanisms
- Mechanisms requiring lifetime lubrication in dry conditions
- Submerged parts requiring corrosion protection
- Harsh chemical environments
- Braking systems, cutting blades...

### UNIQUE CHARACTERISTICS

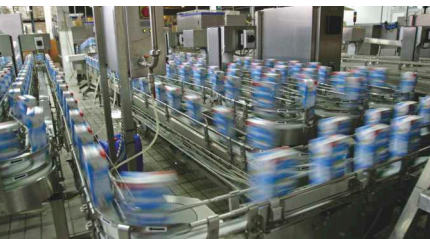
- Very high load bearing capacity
- Excellent wear resistance and sliding properties
- Very low friction in medium to high load conditions
- Very good non-stick properties

### TRIBOMATE® UPGRADE AVAILABLE

Yes



TriboShield® coated products examples



## TECHNICAL DATA

| COATING PROPERTY                       | UNIT    | VALUE       |
|--|---------|-------------|
| Color                                  | -       | Black       |
| Maximum continuous service temperature | °C / °F | 260 / 500   |
| Maximum short-term peak temperature    | °C / °F | 270 / 518   |
| Friction coefficient, typical range*   | -       | 0.04 - 0.25 |
| Food contact compliant**               | -       | No          |

\* Dependent on contact pressure, sliding speed and contact geometry.

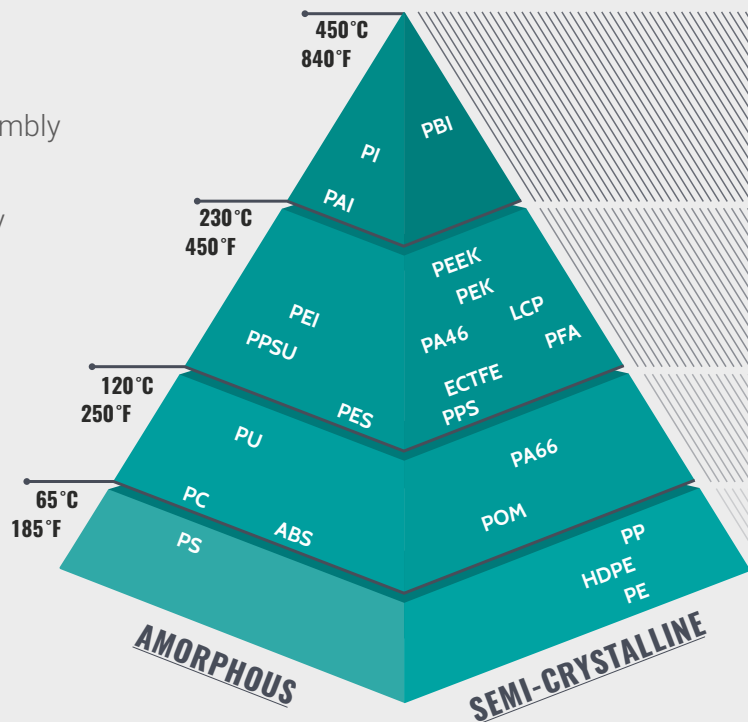
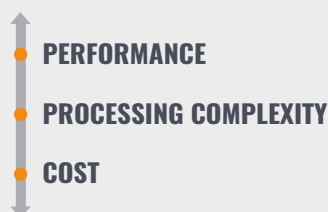
\*\* Your specific food contact condition may require additional approval. Please contact your GGB representative for more information.

## TriboShield® Standard Product Range

### COATING ADVANTAGES

- More compact design
- Less complex system assembly
- Reduced weight
- Increased surface durability

### Standard Coatings Range



### PRODUCT RANGE

- TriboShield TS801
- TriboShield TS742
- **TriboShield TS741**

- TriboShield TS652
- TriboShield TS651
- TriboShield TS650

- TriboShield TS225

For additional product offerings visit:

<https://www.ggbearings.com/en/our-products/polymer-coatings/triboshield-ts741>

TriboShield® Data Sheet  
REVISION: 005 - July, 2023