

# Tivar HPV





### Cost, time and safety

The top priority production factor for designers and operators of modern high-speed conveyor systems, is to employ conveying equipment which will give the best possible result. It is not only crucial to choose first class parts and materials for the individual process steps, but also to realise optimum coordination of all sub-processes.

We offer superior quality plastic materials and finished parts for all touch points in your conveyor system where friction and wear appears. Our plastics have been developed specifically for challenging production environments: high speeds, high temperatures, high loads and aggressive cleaning agents.

Engineering plastics connect the individual components of your valuable production facility into a reliable, economic and modern system.

### What are your benefits?

Longer productive cycles between maintenance, shorter downtimes and your systems run smoothly with less interruption. The time required for failure analysis and installation of replacement parts is reduced, the safety and return on your investment improves.

#### Key properties

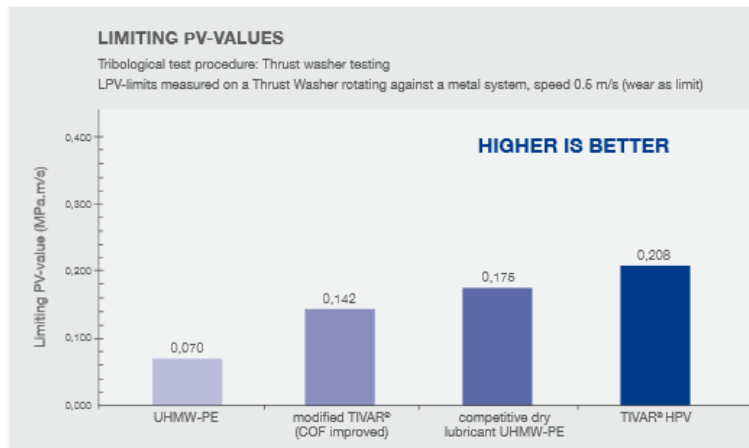
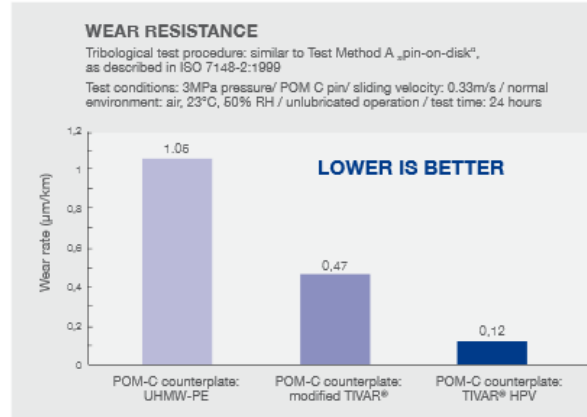
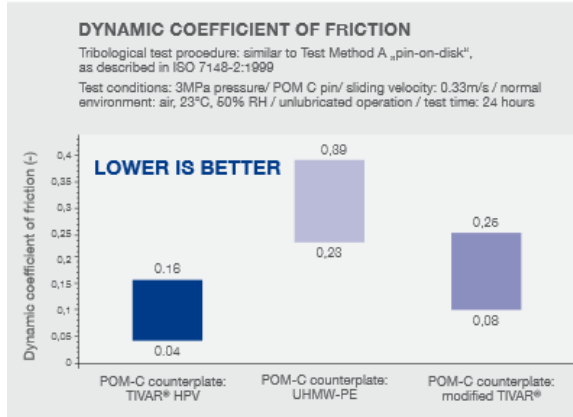
- Very low wear of both belt and slide plates
- COF reduced by 80 %\* vs POM-C
- LPV value appr. 18 %\* higher than competitive dry lubricant material
- Food Contact Compliance
- Noise reduction
- Built-in dry lubricant

\*Quadrant Lab Tests (results next page)

#### Customer benefits

- Reduced maintenance costs
- Energy saving and protection of expensive mating partners (e. g. chains and belts)
- Longest possible and trouble free bearing life (without unallowable deformation or excessive wear)
- Improved product safety and risk management
- Improved safety of your employees
- Environmental protection

**UHMW-PE Sliding Materials Comparison\***



\* Data source: Quadrant Lab Tests

**TIVAR® HPV Availability**

Shapes: Plate, round rod

Profiles: Extruded, machined

Finished parts according to customer's drawing