

# Internal Report

TO: Vamptech libérica	FROM: Dott. Barbesino
Attention of: Dott. Luis Beumala	DATE: 27/11/02
SUBJECT: Tribologic compounds	COPY TO: Distribution list

Might you solve tribologic problems?

This is my advise:

- If you want eliminate or reduce only wearing problems: Molibdene Sulfide modified compounds are the first choice even at economical level.
- If you want limitate either static and dinamic friction besides reduction of UPS (Ultimate pressure-speed) you must be confident with compound PTFE modified.
- If there are wearing problems linked to friction and UPS problems, your first choice should be PTFE + Silicon modified compounds
- When project involves high compression values (1/3 of which monitored in the data sheet) you must take into consideration glass/carbon fiber reinforced compounds modified with PTFE + Silicon

How do you choose base polymer in the compound?

- When work temperature is or can be high, **PBT** must be chosen.
- But you could forecast low to room temperature, **POM** is the best choice
- Finally, working between foretold conditions and impact/ tensile strenght may appear, **PA** is the best option.

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