LNP™ COMPOUNDS
WEAR AND FRICTION SOLUTIONS
LUBRILOY ALLOY TECHNOLOGY

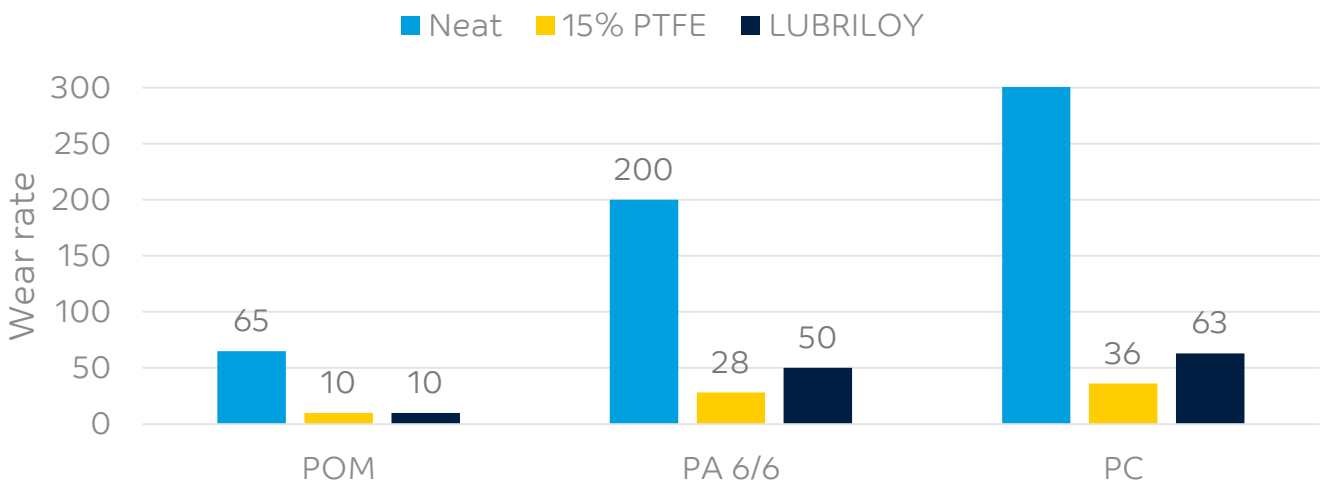
The LNP LUBRICOMP™ composites were among the first to offer wear and friction performance in a fully compounded, internally lubricated thermoplastic. In 1994, SABIC introduced the first in a series of LUBRILOY™ products, a newly patented lubricant technology. This unique technology offers cost effective wear and friction performance vs. traditional lubricants like PTFE.

Since 1994, SABIC has expanded this technology to commonly-used resins such as polycarbonate, nylon, acetal, and PPA and PPO. Reinforcements can also be added such as glass, aramid, or carbon fiber to enhance abrasion resistance, mechanical strength and conductivity.

LUBRILOY compounds feature

- Improved impact over PTFE filled materials
- Lower mold deposits
- Excellent surface finish & colorability
- Lower S.G. vs. PTFE filled materials
- Non-halogenated lubrication

Thrust washes wear vs. steel (50 fpm, 40 psi, RT)



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	Grade	Description	Applications
PA 6/6	R2000 R2000A R2000AXP R2000I RF206	Base grade Maximized wear/friction performance Improved mechanical properties High impact, abrasion resistant 30% glass fiber reinforced	• PA 6/6 based LUBRILOY alloys are typically used in automotive and industrial applications for gears, sliders, bearings and bushings. They feature good wear, low friction, low moisture absorption and good vibration damping characteristics.
PC	D2000 D2000AXH D2000P D2000I D20001 DF2041 DX08333	Base grade Healthcare grade High flow High impact UL94-V0, ECO-FR 20% glass fibre, UL94-V0, ECO-FR Carbon fiber reinforced, ESD	• PC based LUBRILOY alloys are widely used in consumer electronics and medical applications for combination of low wear and friction, tight dimensional tolerances and non-halogenated FR systems. They have also been used in automotive interiors for BSR reduction.
PPA	U2000A UX98388	Base grade Automotive damping grade	• PPA based LUBRILOY alloys have found use in automotive UTH application where specific wear and COF vs aluminium and damping properties are valued in belt tensioning applications
PPO	Z2000 Z20001	Base grade UL94-V0, ECO-FRE	• PPO based LUBRILOY alloys can be used as lightweight, low cost materials for frames and chassis requiring good dimensional tolerances.
POM	K2000 K2000XXH KL201	Base grade Healthcare grade 2% PTFE	• POM based LUBRILOY alloys provide improved wear and friction properties over neat POM.