

Superlube 3.1 GS

A lubricant designed for remarkable green strength applications

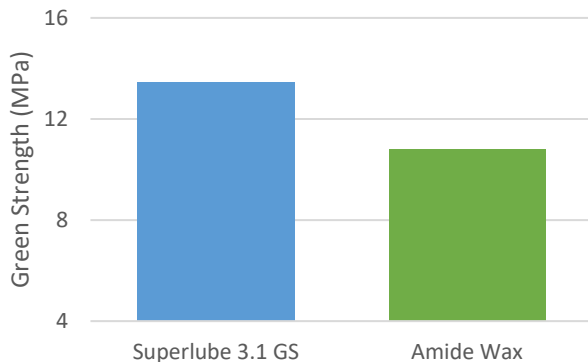
Superlube 3.1 GS is the ideal solution for components that require outstanding green strength and excellent lubricity. The innovative Superlube formula allows for compaction to achieve green density of 6.6-7 g/cc.

Superlube 3.1 GS is developed to achieve high green strength for room-temperature compaction.

	Superlube 3.1 GS*	Amide Wax*
Apparent Density (g/cm³)	3.05	3.01
Flow Rate (Hall, s/50g)	31.44	31
Green Strength (MPa)	13	11
Tonnage (MPa) @ 6.90 g/cc	427	455
Slide Ejection Force (kN)	4.1	7.1
Total Size Change (%)	0.30	0.38

*Composition: Atomet 1001 + 1.9% Cu + 0.9% C + 0.5% MnS + 0.53% lubricant

Green Strength



Superlube 3.1 GS outperforms the competition in green strength by **24%**.

Benefits

- ✓ Outstanding green strength
- ✓ Excellent lubricity
- ✓ Achieve target green densities 6.6 – 7 g/cc without heated die

Best Uses

- ✓ Parts that requires strengthened green strength

Superlube 3.1 GS performs **42% better** than the competition in slide ejection force, thereby reducing wear and improves the longevity of tooling.

Slide Ejection Force

