Superlube 3.1 GS

APEX ADVANCED TECHNOLOGIES
State of the Art Lubricants and Binders

A lubricant designed for remarkable green strength applications
一款为卓越的生坯强度应用定制的润滑剂

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 是需要出色的生坯强度和润滑性的部件的理想解决方案。创新的 Superlube 配方允许压制达到 6.6-7g/cc 的生坯密度。

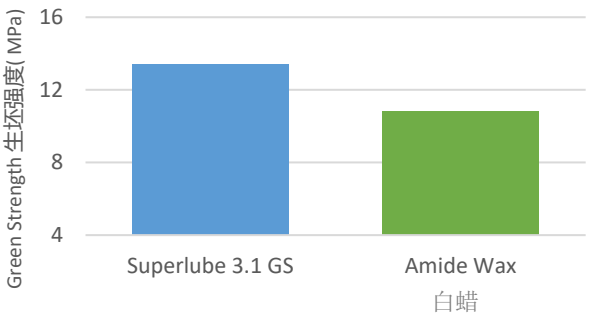
	Superlube 3.1 GS*	Amide Wax 白蜡*
Apparent Density (g/cm³) 松装密度	3.05	3.01
Flow Rate (Hall, s/50g) 流速	31.44	31
Green Strength (MPa) 生坯强度	13	11
Tonnage (MPa) 压力 @ 6.90 g/cc	427	455
Slide Ejection Force (kN) 滑块弹射力	4.1	7.1
Total Size Change (%) 总尺寸变化	0.30	0.38

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

Superlube 3.1 GS 能够在室温压制的条件下实现高生坯强度。

*Composition: Atomet 1001 + 1.9% Cu + 0.9% C + 0.5% MnS + 0.53% lubricant
*成分: Atomet 1001 HP + 1.9% 铜 + 0.9% 石墨 + 0.5% MnS + 0.53% 润滑剂

Green Strength 生坯强度



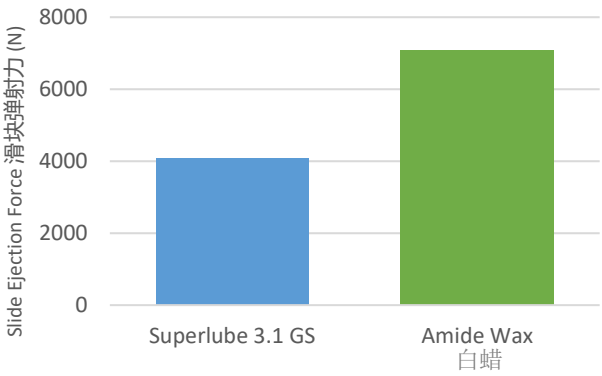
Superlube 3.1 GS outperforms the competition in green strength by **24%**.

Superlube 3.1 GS 的生坯强度比竞品**高出 24%**。

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

Superlube 3.1 GS 在弹射力方面的表现**高于竞品 42%**，从而减少了磨损，有助于延长设备的寿命。

Slide Ejection Force 滑块弹射力



Benefits 优点

- ✓ Outstanding green strength and lubricity
  卓越的生坯强度和润滑力
- ✓ Achieve target green densities 6.6 – 7 g/cc without heated die
  生坯密度达到 6.6-7 g/cc

Best Uses 用途

- ✓ Parts that requires strengthened green strength
  需要加强生坯强度的部件