

# Superlube 3.0 HD

A custom lubricant designed for high-density applications

一款为高密度应用定制的润滑剂



Superlube 3.0 HD allows for room-temperature compaction to be used in high density applications of big and tall parts to achieve gradient-free densities as high as 7.4 g/cc.

Superlube 3.0 HD 适用于大而高的部件和室温压制的高密度应用，从而实现高达 7.4 g/cc 的无梯度密度。

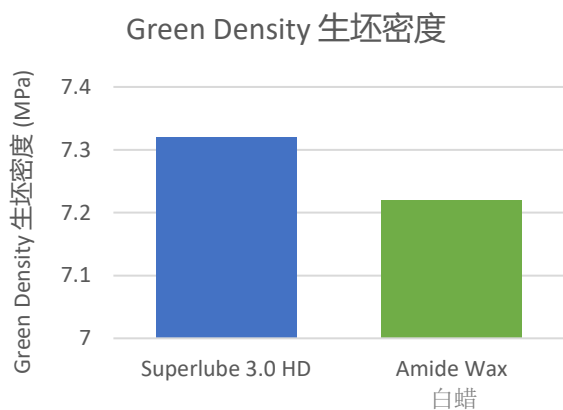
	Superlube 3.0 HD*	Amide Wax 白蜡*
Apparent Density (g/cm <sup>3</sup> ) 松装密度	3.12	3.22
Flow Rate (Hall, s/50g) 流速 (霍尔)	27	29
Green Strength (MPa) 生坯强度	15	13
Green Density (g/cc) 生坯密度 @661 MPa	7.3	7.2
Slide Ejection Force (kN) 滑块弹射力	5.0	6.7
Total Size Change (%) 总尺寸变化	0.71	0.73

Superlube 3.0 HD is designed for outstanding compressibility, while also significantly improving green strength and ejection forces.

Superlube 3.0 HD 的设计具有出色的可压缩性，同时还能显著提高生坯强度和弹出力。

\*Composition: Atomet 1001 HP + 2% Cu + 0.4% C + 0.5% lubricant

\*成分: Atomet 1001 HP + 2% 铜 + 0.4% 石墨 + 0.5% 润滑剂

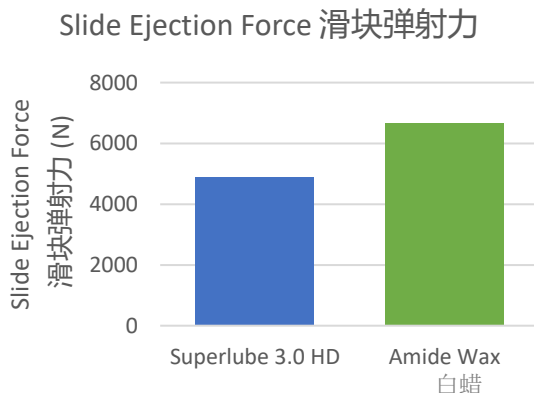


Superlube 3.0 HD outperforms the competition by achieving higher densities for the same tonnage without the need for warm-die compaction.

Superlube 3.0 HD 在相同吨位的情况下达到了更高的密度，从而实现了室温压制。

Superlube 3.0 HD improves compressibility and has ejection forces that are **36% better** than the competition.

Superlube 3.0 HD 改善了可压缩性，其弹射力比竞品增强了 **36%**。



## Benefits 优点

- ✓ Achieve high green density up to 7.4 g/cc 生坯密度高达 7.4 g/cc
- ✓ Excellent lubricity 优秀的润滑力
- ✓ Room temperature compaction 室温压制
- ✓ Higher green strength 更高的生坯强度
- ✓ Copper infiltration at reduced cost 低价的铜渗透

## Best Uses 用途

- ✓ Big and tall parts with density between 7.1 to 7.4 g/cc 密度在 7.1 至 7.4 g/cc 之间的高且大的部件