

Superlube 3.0 HD

A custom lubricant designed for high-density applications

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

	Superlube 3.0 HD*	Amide Wax*
Apparent Density (g/cm³)	3.12	3.22
Flow Rate (Hall, s/50g)	27	29
Green Strength (MPa)	15	13
Green Density (g/cc) @661 MPa	7.3	7.2
Slide Ejection Force (kN)	5.0	6.7
Total Size Change (%)	0.71	0.73

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

Green Density



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

Benefits

- ✓ Achieve high green density up to 7.4 g/cc
- ✓ Excellent lubricity
- ✓ Room temperature compaction
- ✓ Higher green strength
- ✓ Copper infiltration at reduced cost

Best Uses

- ✓ Big and tall parts with density between 7.1 to 7.4 g/cc

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

Slide Ejection Force

