

Superlube 3.0 A

A lubricant designed for everyday applications

Superlube 3.0 A is a versatile wax-based lubricant that is an ideal direct replacement for amide wax lubricants. It delivers extremely comparable performance to conventional lubricants.

	Superlube 3.0 A*	Amide Wax*
Apparent Density (g/cm³)	2.99	3.01
Flow Rate (Hall, s/50g)	32	31
Green Strength (MPa)	12	11
Tonnage (MPa) @ 6.90 g/cc	469	455
Slide Ejection Force (kN)	6.9	7.1
Total Size Change (%)	0.40	0.38

*Composition: Atomet 1001 + 2% Cu + 0.8% C + 0.55% lubricant

Superlube 3.0 A has very similar properties to an amide wax, which means it can directly replace amide waxes without the need for significant changes in production equipment or tooling specifications.

Particle Size Distribution			
	Superlube 3.0 A	Amide Wax (Powdered)	Amide Wax (Atomized)
Dv 10 (µm)	0.3	12.3	0.3
Dv 50 (µm)	10.1	29.2	6.5
Dv 90 (µm)	57.9	52.4	15.7

Benefits

- ✓ One-to-one replacement for amide wax products
- ✓ Achieve target green densities of 6.8 – 7.0 g/cc

Best Uses

- ✓ Conventional compaction in powder metal industry



Superlube 3.0 A and amide wax have similar compressibility at 6.90 g/cc.

The spring back and total size change of Superlube 3.0 A are comparable with amide wax lubricants.

