

Superlube 3.0 PS

A lubricant designed for everyday applications

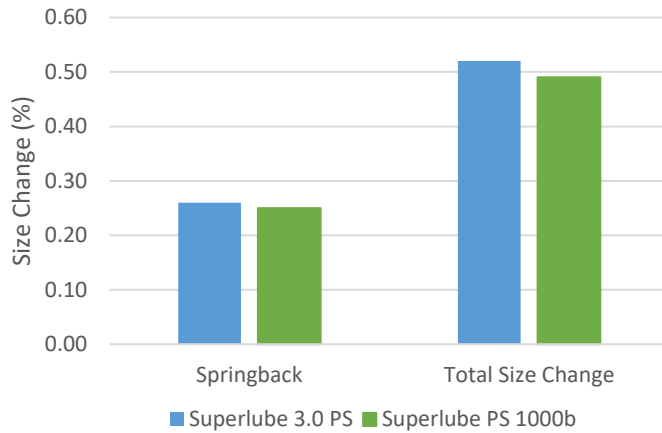
Superlube 3.0 PS is a versatile wax-based lubricant that is an ideal replacement for Superlube PS 1000b, which is one of the old products developed by Apex. Superlube 3.0 PS delivers comparable performance, and it also eliminates the need for pre-blend graphite.

Superlube 3.0 PS has identical properties to Superlube PS 1000b, which means it can directly replace the old product without significant changes in production equipment or tooling specifications.

	Superlube 3.0 PS*	Superlube PS 1000b*
Apparent Density (g/cm³)	3.09	3.03
Flow Rate (Hall, s/50g)	30.92	32.79
Green Strength (MPa)	14.45	16.02
Green Density (g/cc) @634 MPa	7.21	7.21
Slide Ejection Force (kN)	6.7	6.9
Total Size Change (%)	0.52	0.49

*Composition: Ancorsteel 1000B + 1.9% Cu + 0.9 % C + 0.5% MnS + 0.43% lubricant

Size Change



Without the addition of pre-blend graphite mix, Superlube 3.0 PS presents similar springback and total size change to Superlube PS 1000b.

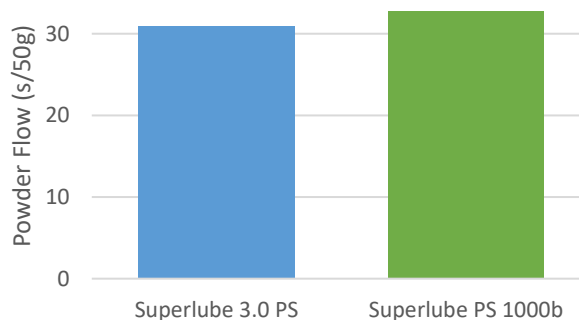
Benefits

- ✓ No need for pre-blend graphite therefore less shipping cost
- ✓ One-to-one replacement for Superlube PS 1000b
- ✓ Achieve target density as high as 7.3 g/cc

Best Uses

- ✓ Conventional compaction in powder metal industry without heated die

Powder Flow



The powder flow of Superlube 3.0 PS is comparable with Superlube PS 1000b.