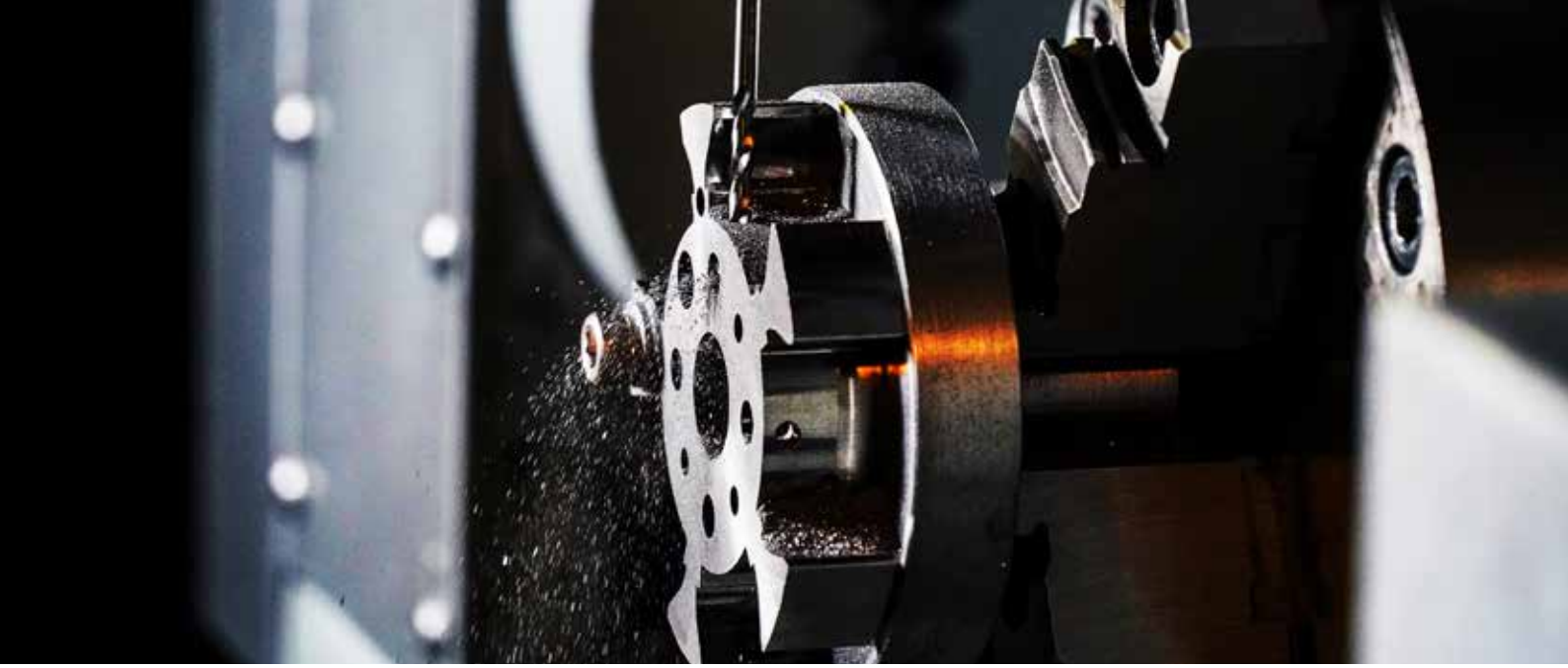


Intralube® GS

Upgrade your green machining capacity

Efficient component production is key to a profitable business. The high green strength of Intralube GS enables machining of green parts, which is much more cost-effective and timesaving than machining of sintered parts.

Intralube GS facilitates green handling and green machining. With a reduced risk of forming green cracks during compaction, combined with easier green part handling and less wear on machining tools, the productivity will increase.

The excellent green strength improves the quality of your component. With Intralube GS you can reduce your overall green scrap rates. Compared to a standard premix, this press-ready mix offers up to 80 % higher green strength, which can further be improved by warm die compaction. In fact, Intralube GS is at the very top level of green strength mixes available on the market. The combination of excellent green strength, good fillability and lubrication makes Intralube GS a superb choice for volume production of a large number of components where high green strength is preferred.

Main product benefits

- Excellent green strength
- Facilitate green machining
- Good fillability
- Good lubrication

The opportunities of high green strength

Components are becoming smaller, thinner and exhibit more intricate shapes. This makes the components become more sensitive to green damages occurring during compaction, handling and green machining. To stay competitive, production rates are increased, automated handling systems are implemented, and green machining is more frequently applied.

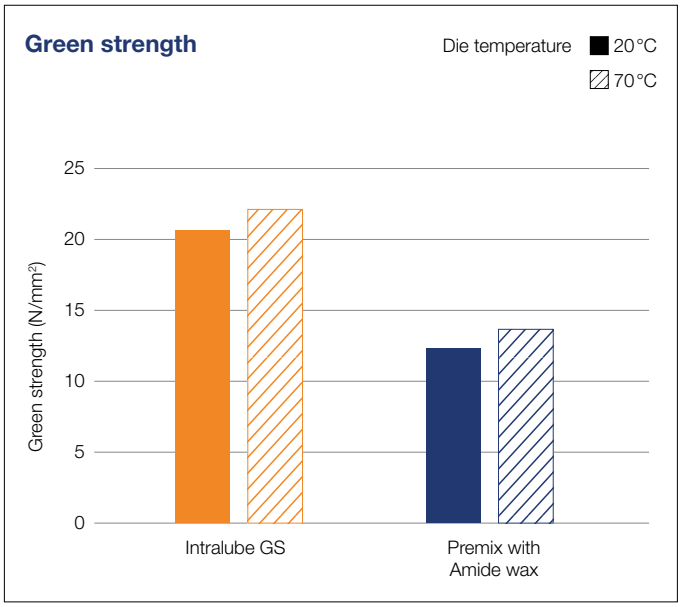
To all these challenges, Intralube GS is an ideal solution. With Intralube GS, you are able to produce components with high green strength, obtain smoother production where damages are eliminated, and the cost of quality control is minimized.

Intralube GS is designed to obtain a high green strength without impairing on other properties such as compressibility and ejection. In combination with good flowability features, the high green strength will allow cost-efficient component production and increased productivity.

Shorter machining time and more easily processed components in green condition lead to longer machining tool life and also allow for less sophisticated tool materials. In combination with minimized scrap levels, this means reduced amount of material and energy used per kilogram finished part. In this way, Intralube GS helps your company to obtain a more sustainable way of working. Furthermore, Intralube GS mixes are zinc free, which gives clean burn off, and stain free components.

Basic product characteristics

FC-0208*	Intralube GS	Premix with Amide wax
Apparent density (g/cm^3)	2.95	2.95
Flow (Gustavsson) (s/50g)	37	41
Green strength (N/mm^2)	21	12
Green density (g/cm^3)	7.05	7.06
Ejection energy (J/cm^2)	25	26



**Material: ASC100.29 + 1.75 % Cu + 0.8 % C + 0.8 % lubricant. Compaction: 600 MPa.*

For more information, please contact your local sales representative.