

HIGH GREEN STRENGTH STAINLESS STEEL POWDERS

TECHNICAL DATA SHEET

DESCRIPTION

Our High Green Strength Powders consistently provide 50% or greater improvement in green strength in 300 and 400 series stainless steel grades relative to powders mixed with standard EBS wax. This enhancement comes with minimal impact to sintered density and dimensional change, and other properties.



APPLICATIONS

High Green Strength Stainless Steel Powders are ideal for use in Powder Metallurgy for a wide range of automotive and industrial pressed and sintered parts.

ADVANTAGES

Manufactured using advanced water atomization technology, the High Green Strength Powders represent a significant advancement in powder metallurgy. By reducing part damage during die ejection and part transfer, these powders lead to more efficient processing and dramatically lower manufacturing costs.

HIGH GREEN STRENGTH STAINLESS STEEL POWDERS

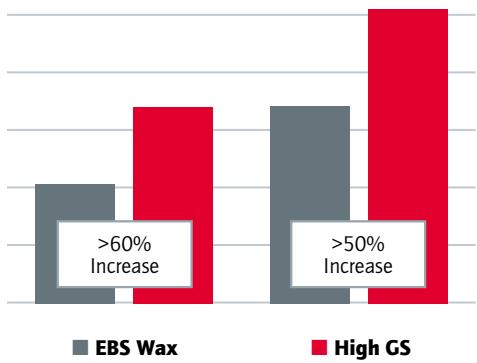
TECHNICAL DATA SHEET

High GS Lubricants for Press & Sinter - Test Results 409Cb

Green Strength

409Cb

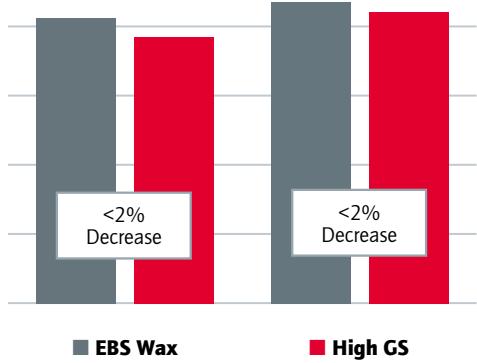
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Sintered Density

409Cb

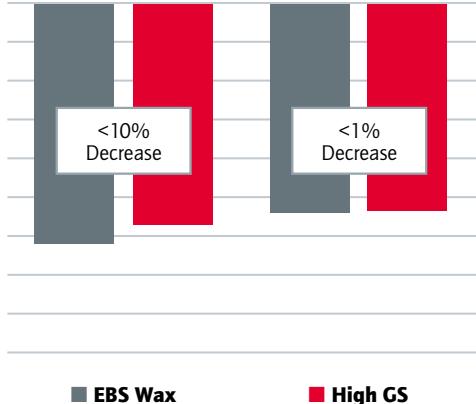
Unannealed Annealed



Dimensional Change

409Cb

Unannealed Annealed



Significant increase in green strength achieved with minimal impact to other properties

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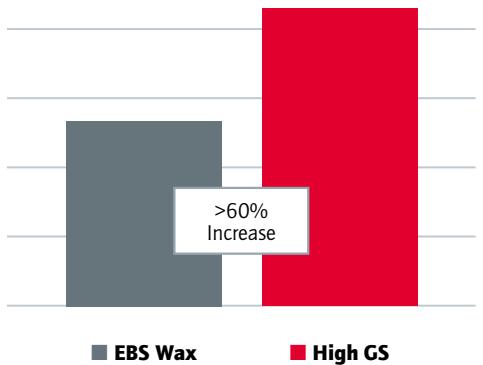
TECHNICAL DATA SHEET

High GS Lubricants for Press & Sinter - Test Results 434LCb

Green Strength

434LCb

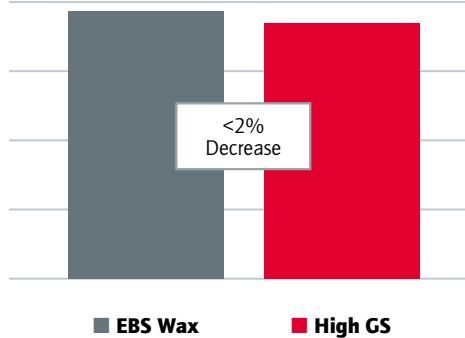
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Sintered Density

434LCb

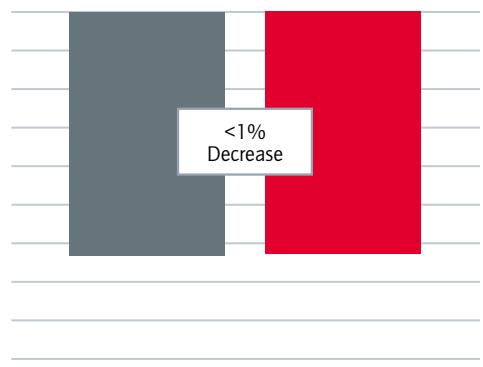
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Dimensional Change

434LCb

Unannealed



Significant increase in green strength achieved with minimal impact to other properties

HIGH GREEN STRENGTH STAINLESS STEEL POWDERS

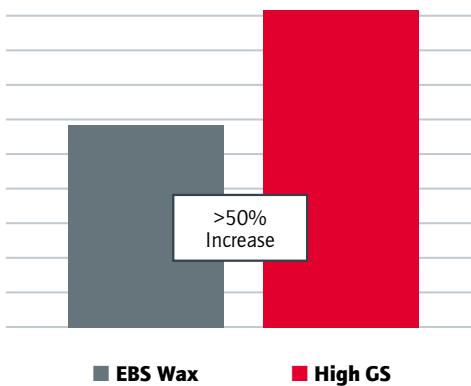
TECHNICAL DATA SHEET

High GS Lubricants for Press & Sinter - Test Results 2507

Green Strength

2507

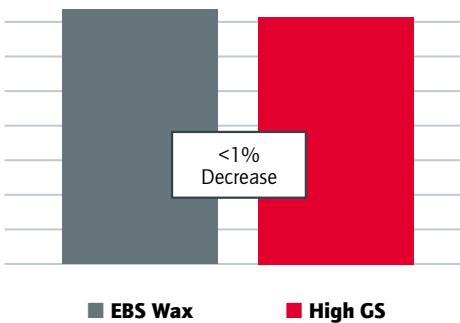
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Sintered Density

2507

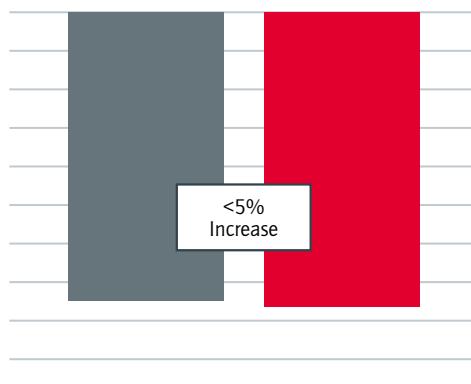
Unannealed



Dimensional Change

2507

Unannealed



Significant increase in green strength achieved with minimal impact to other properties

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