



***Flow Polymers***

**Promix<sup>®</sup> 100LS Process Enhancer**

# Introducing Promix<sup>®</sup> 100LS from Flow Polymers

- **Product Overview**

- *Promix<sup>®</sup> 100LS is a highly effective process enhancer and for Natural and Synthetic rubber compounds.*
- *Key to Promix<sup>®</sup> 100LS's effectiveness is a proprietary blend of zinc soaps of fatty acids.*

- **Demonstrated Benefits**

- *Reduces compound viscosity*
- *Significantly Improves Extrudate Appearance*
- *Improves Scorch Safety*
- *Promix<sup>®</sup> 100LS provides equivalent performance to Struktol<sup>®</sup> A50 at an equal or reduced loading.*

- **Recommended Use:**

- *Natural and Synthetic rubber compounds at 3 – 5 phr*



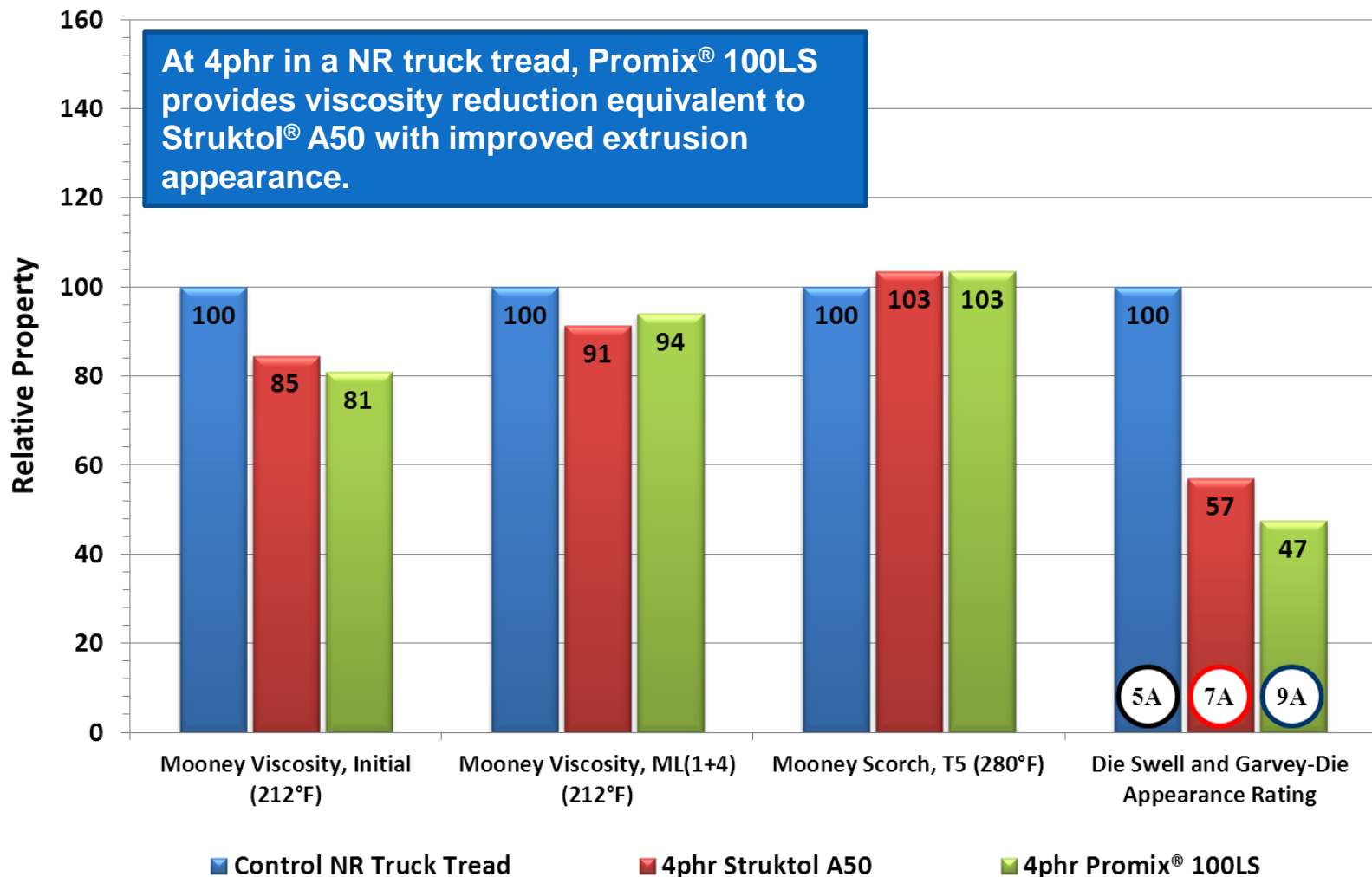
# **Promix® 100LS**

## **Evaluation in NR Truck Tread**

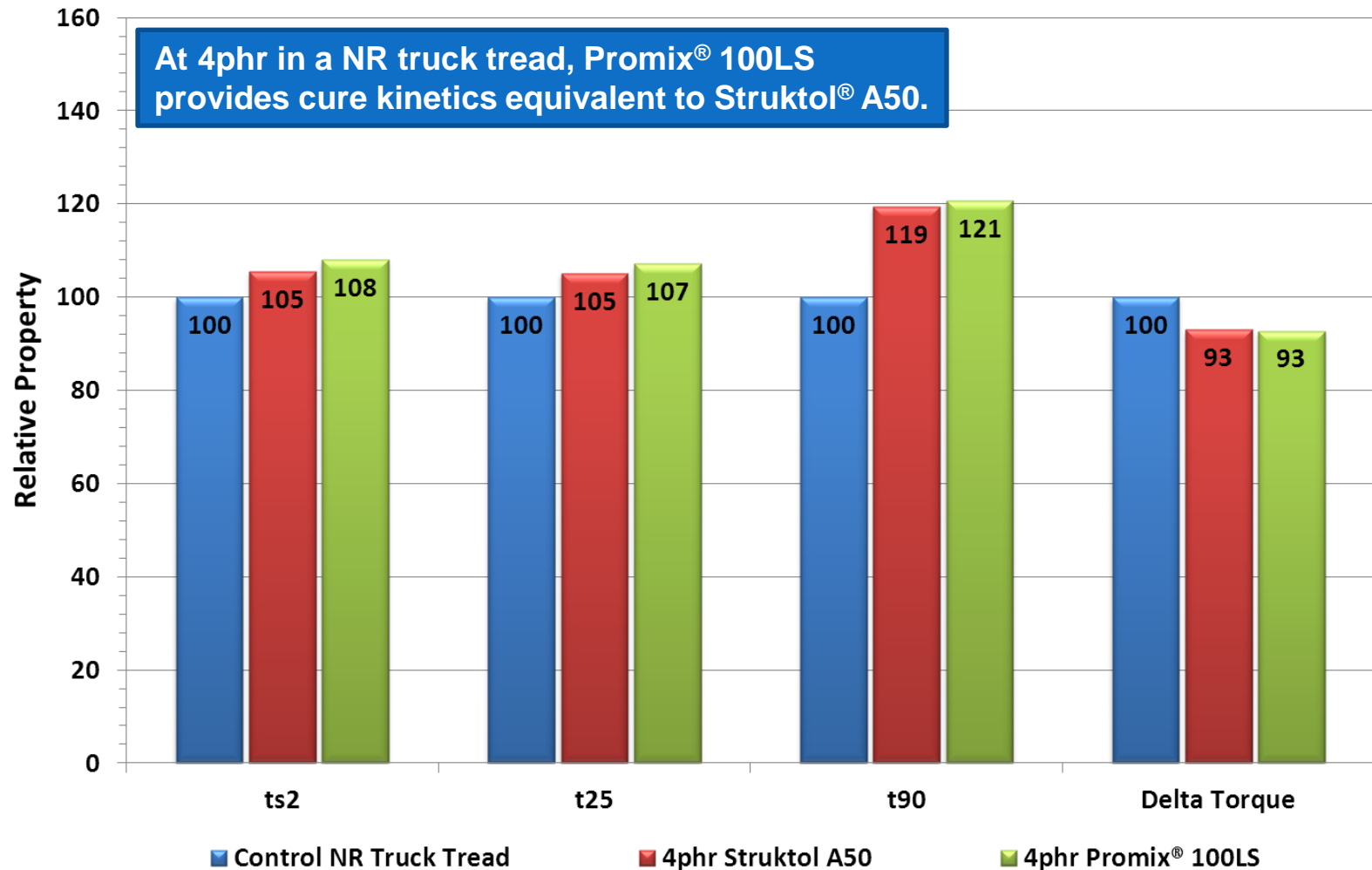
# FORMULATION – NR Truck Tread

	Control	Struktol® A50	Promix® 100LS
Natural Rubber CV60	100	100	100
Carbon Black N220	50	50	50
Naphthenic Oil	5	5	5
Zinc Oxide	3	3	3
6PPD	2	2	2
TMQ	1.6	1.6	1.6
Wax Blend	3	3	3
Stearic Acid	2.5	2.5	2.5
<b>Struktol A50</b>	-	<b>4</b>	-
<b>Promix® 100LS</b>	-	-	<b>4</b>
Sulfur	1.75	1.75	1.75
TBBS	1.75	1.75	1.75

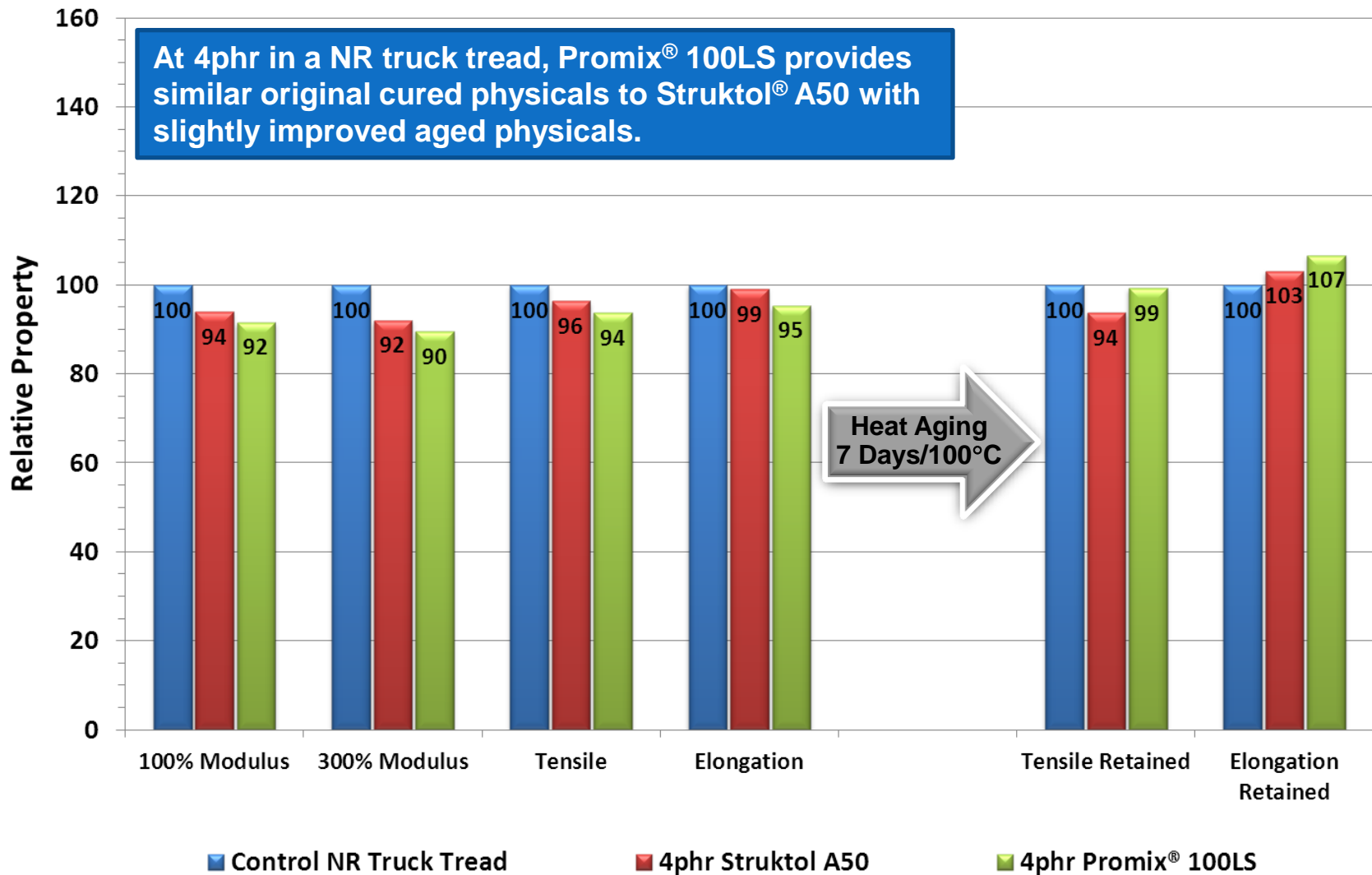
# Promix® 100LS – Performance in NR Truck Tread



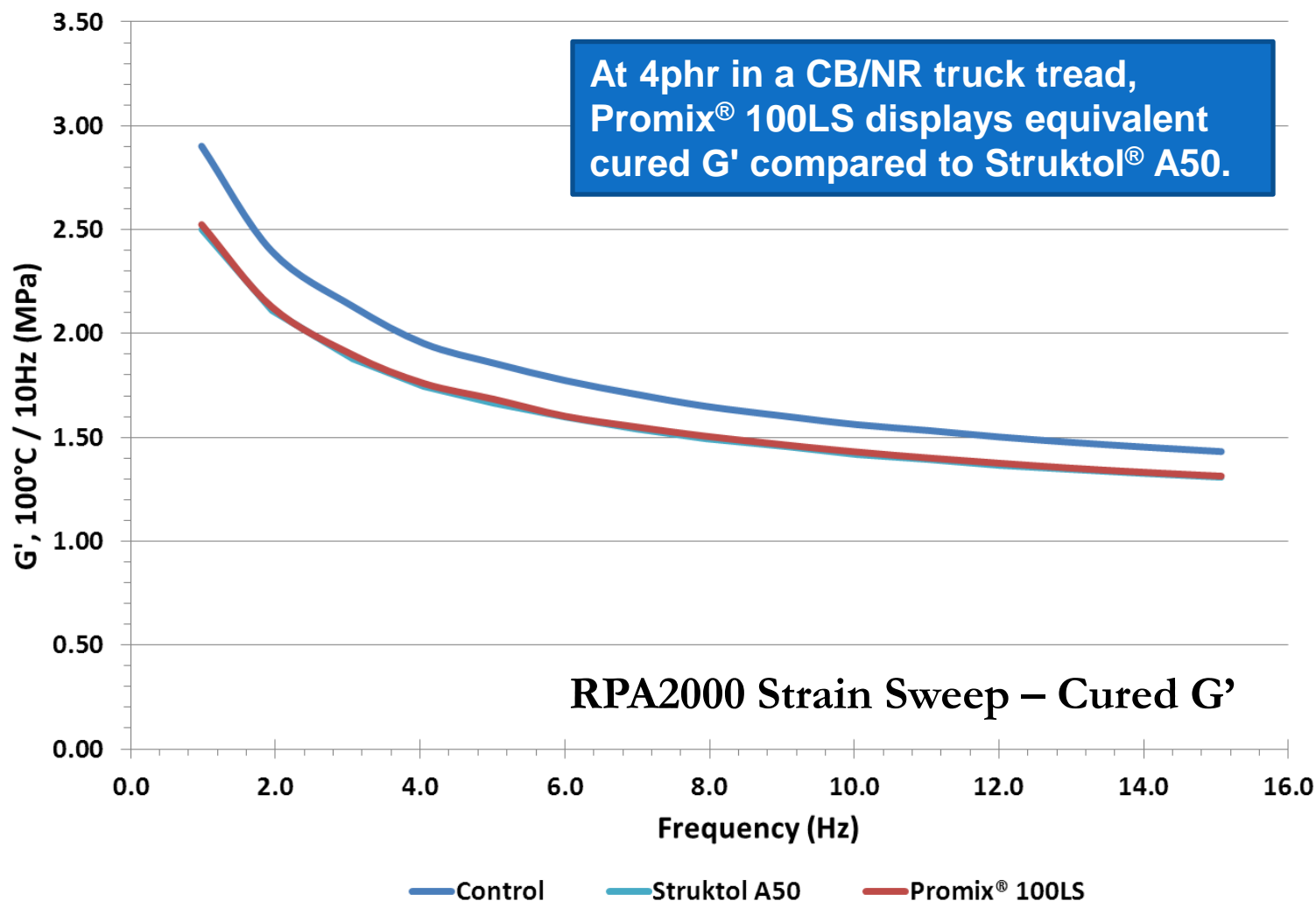
## Promix<sup>®</sup> 100LS – Performance in NR Truck



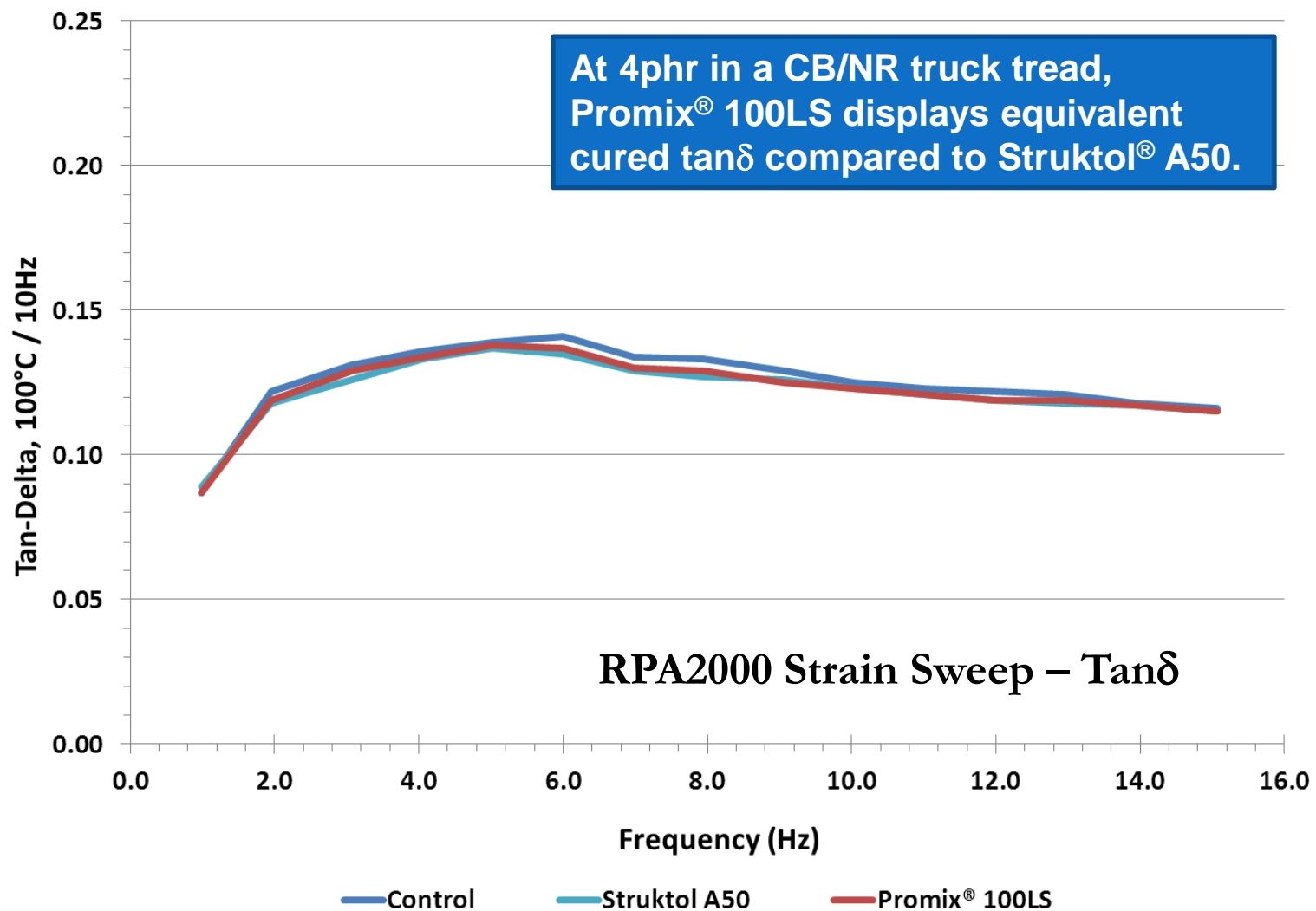
## Promix® 100LS – Performance in NR Truck Tread

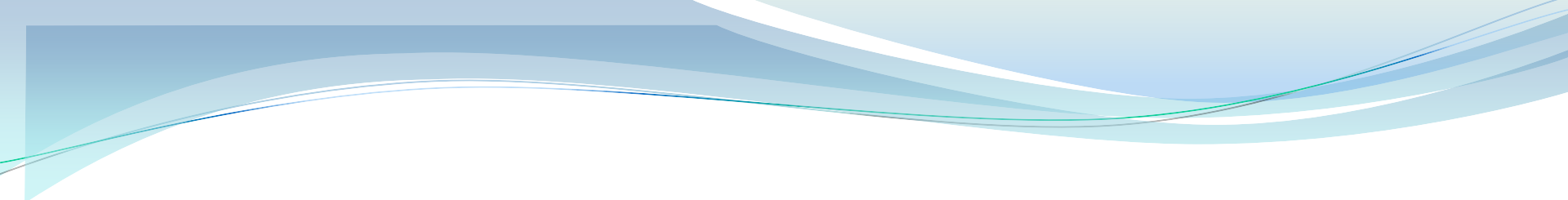


# Promix<sup>®</sup> 100LS – Performance in NR Truck Tread



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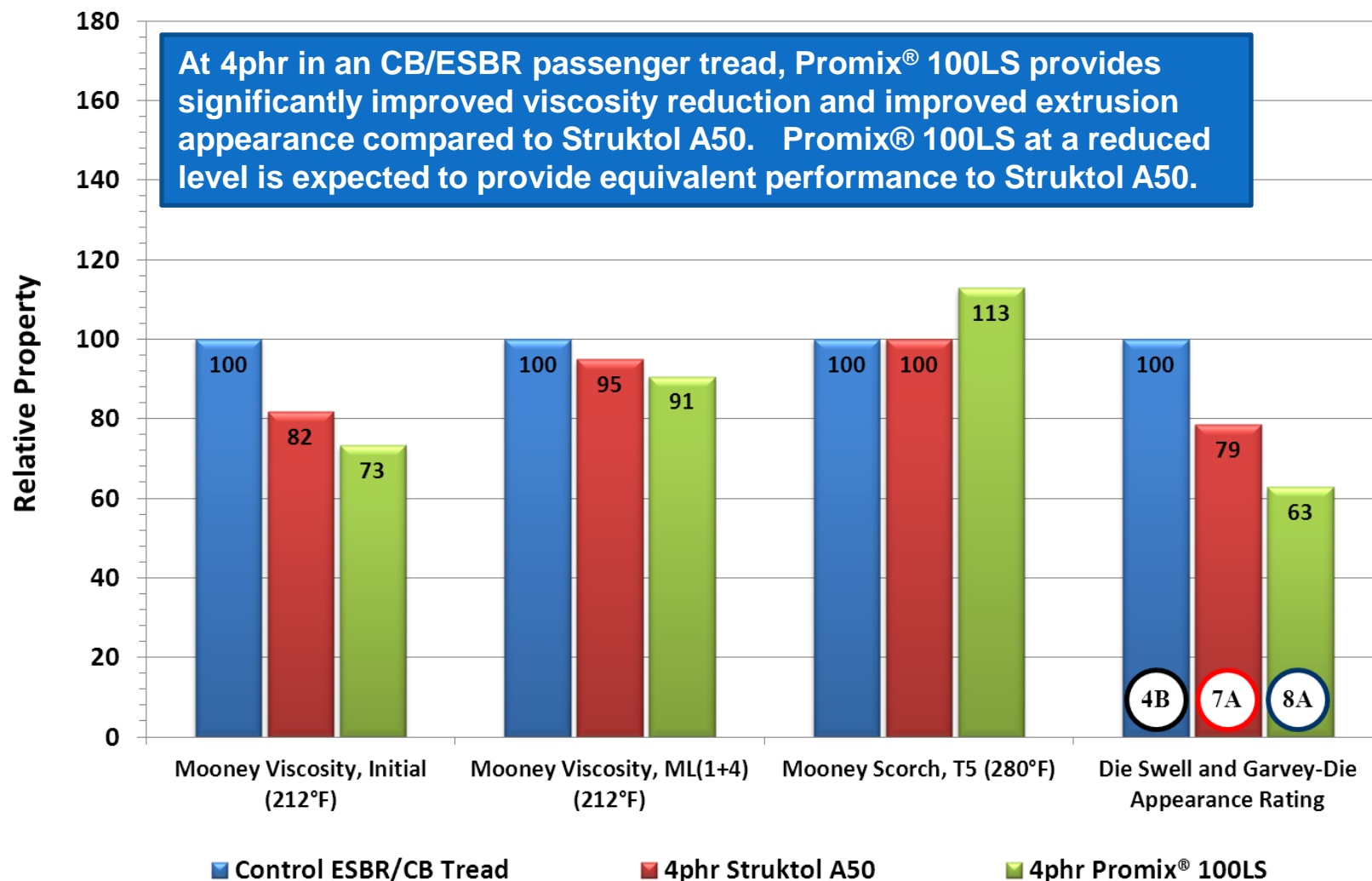
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## **Evaluation in CB Passenger Tread**

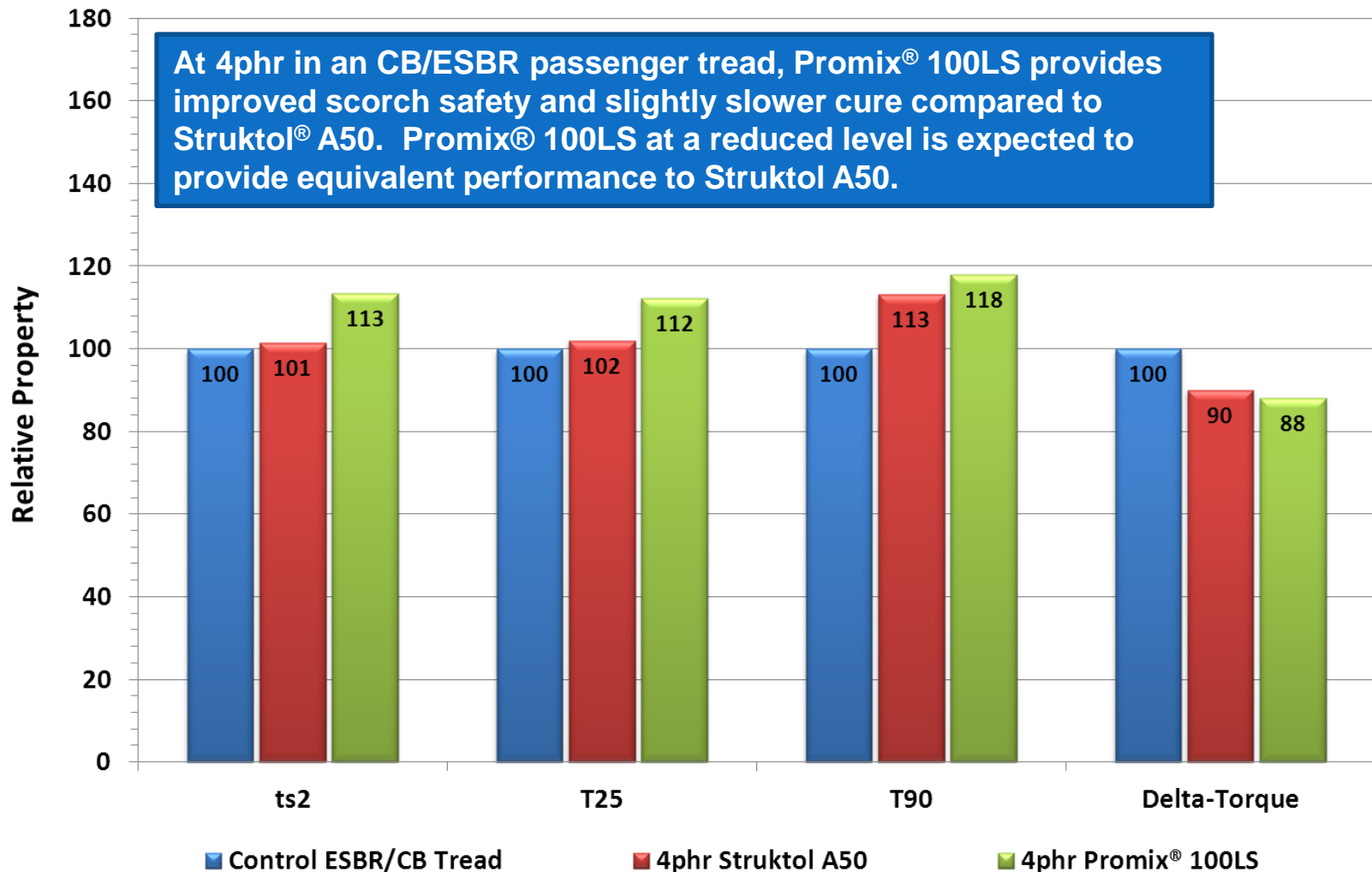
# FORMULATION – Synthetic/Carbon Black Tread

	Control	Struktol® A50	Promix® 100LS
High <i>cis</i> -Polybutadiene	30	30	30
SBR 1502	70	70	70
Carbon Black N220	70	70	70
Zinc Oxide	1.75	1.75	1.75
Stearic Acid	2	2	2
Wax Blend	1.5	1.5	1.5
6PPD	2	2	2
Naphthenic Oil	30	30	30
<b>Struktol® A50</b>	-	<b>4</b>	-
<b>Promix® 100LS</b>	-	-	<b>4</b>
Sulfur	1.5	1.5	1.5
CBS	1.5	1.5	1.5
ZBEC	0.25	0.25	0.25

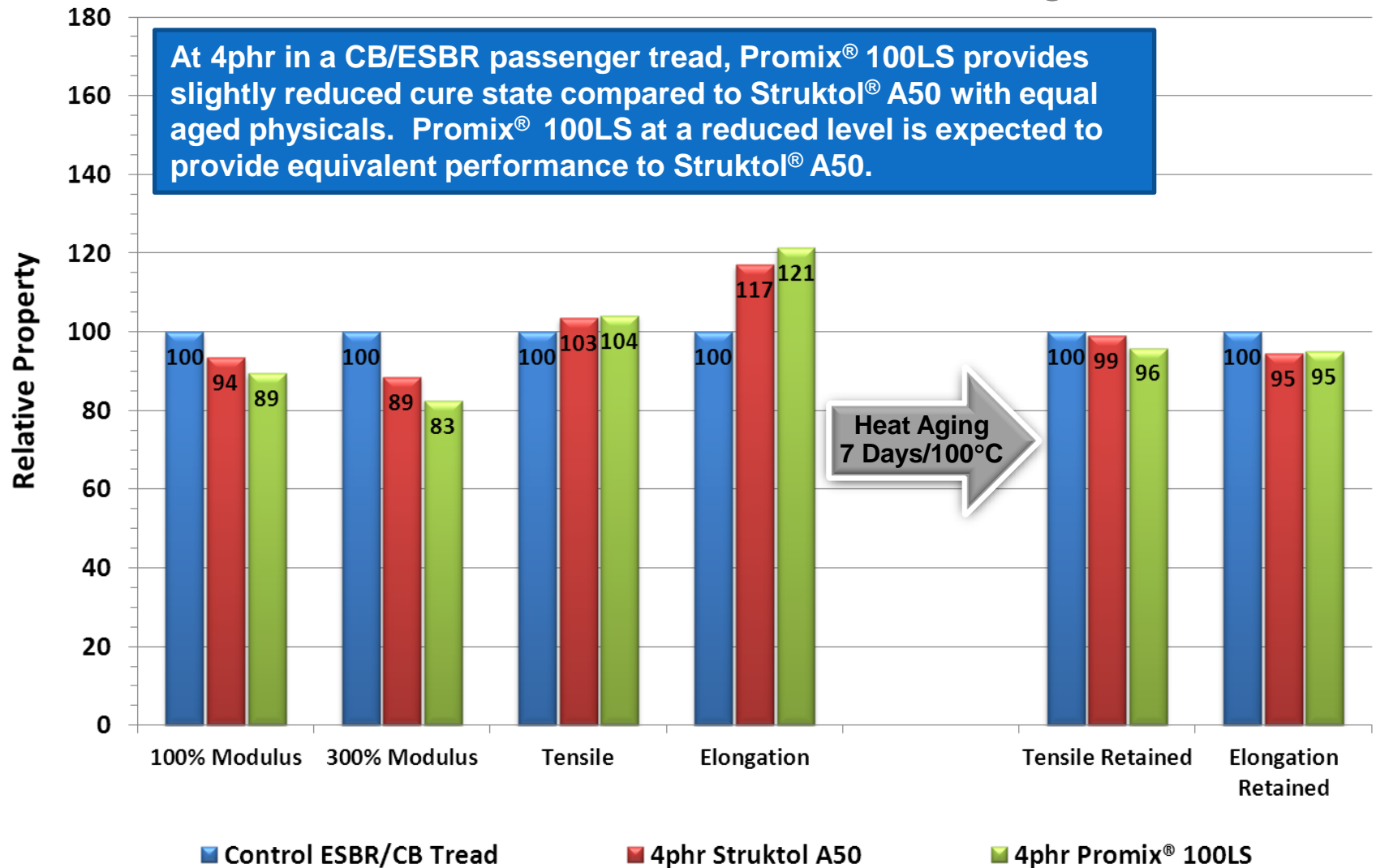
## Promix® 100LS – Performance in CB Passenger Tread



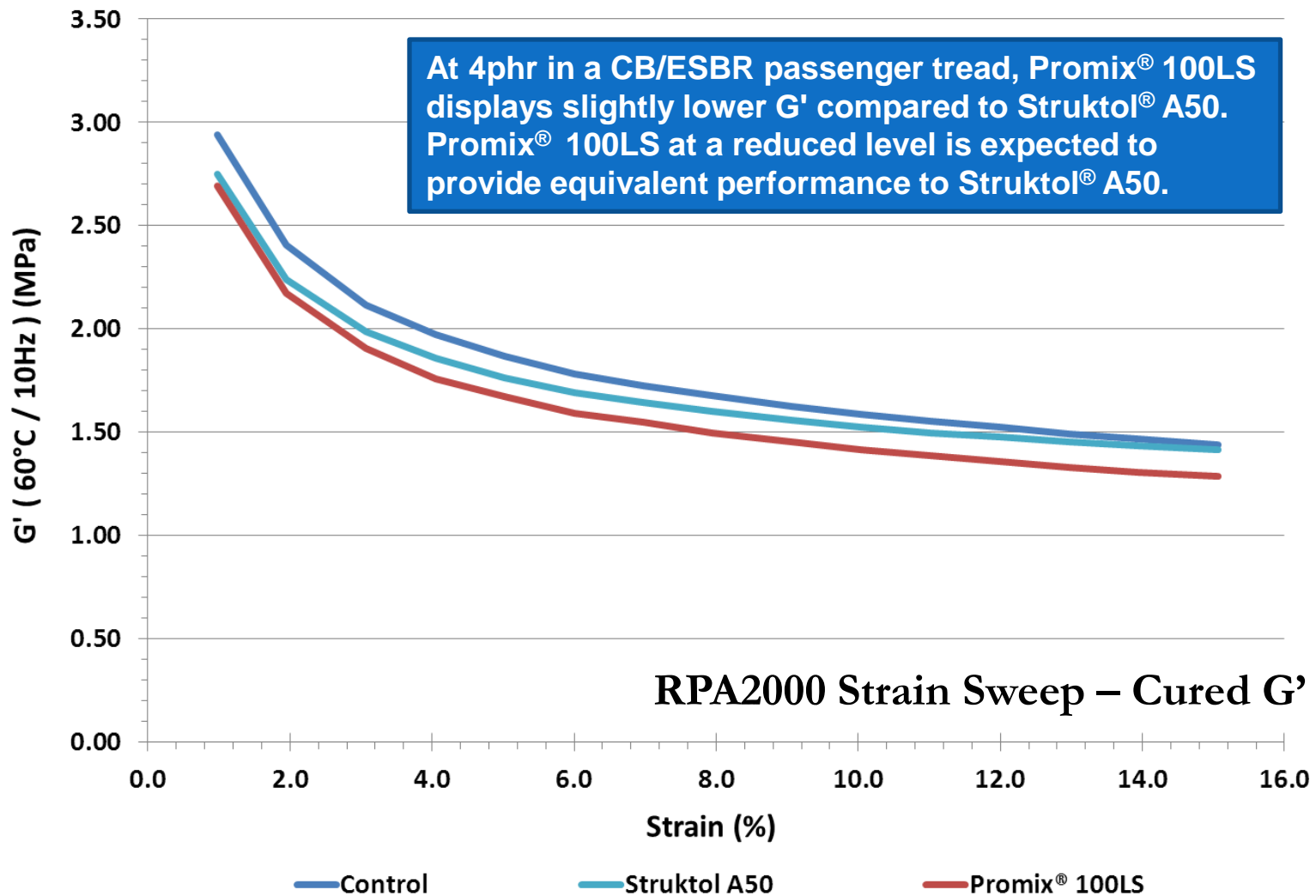
## Promix® 100LS – Performance in CB Passenger Tread



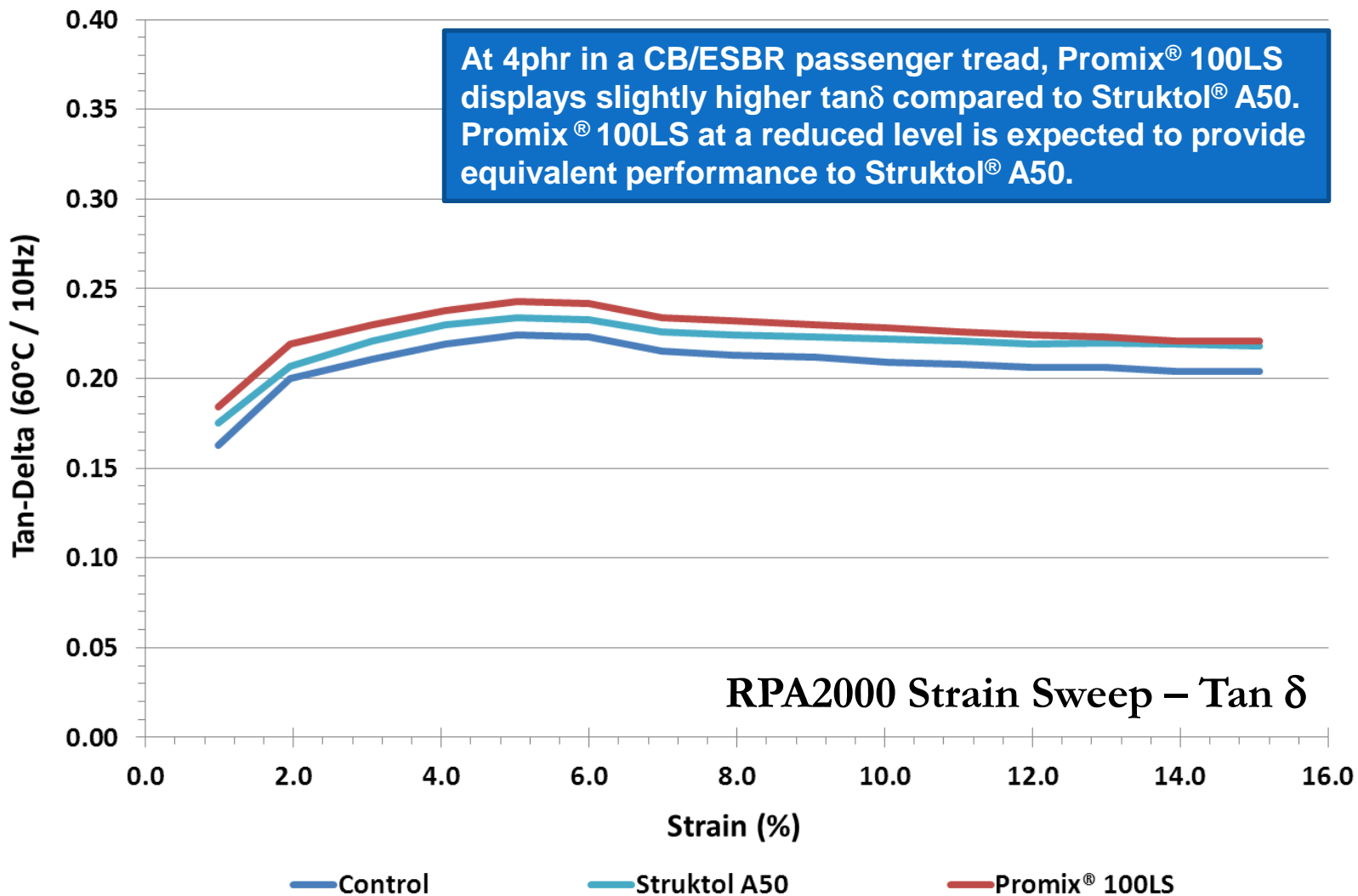
# Promix® 100LS – Performance in CB Passenger Tread



## Promix<sup>®</sup> 100LS – Performance in CB Passenger Tread



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# Summary – Promix® 100LS

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