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# **The Effects of Varying the Levels of Nitrogen in the Inflation Gas of Tires on Laboratory Test Performance**

## **DISCLAIMER**

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ii:

Approximate Conversions to Metric Measures					Approximate Conversions to English Measures				
Symbol	When You Know	Multiply by	To Find	Symbol	Symbol	When You Know	Multiply by	To Find	Symbol
<u>LENGTH</u>					<u>LENGTH</u>				
in	inches	2.54	centimeters	cm	mm	millimeters	0.04	inches	in
ft	feet	30	centimeters	cm	cm	centimeters	0.4	inches	in
mi	miles	1.6	kilometers	km	m	meters	3.3	feet	ft
					km	kilometers	0.6	miles	mi
<u>AREA</u>					<u>AREA</u>				
in <sup>2</sup>	square inches	6.5	square centimeters	cm <sup>2</sup>					
ft <sup>2</sup>	square feet	0.09	square meters	m <sup>2</sup>	cm <sup>2</sup>	square centimeters	0.16	square inches	in <sup>2</sup>
mi <sup>2</sup>	square miles	2.6	square kilometers	km <sup>2</sup>	km <sup>2</sup>	square kilometers	0.4	square miles	mi <sup>2</sup>
<u>MASS (weight)</u>					<u>MASS (weight)</u>				
	ounces	28	grams	g	g	grams	0.035	ounces	oz
oz	pounds	0.45	kilograms	kg	kg	kilograms	2.2	pounds	lb
<u>PRESSURE</u>					<u>PRESSURE</u>				
psi	pounds per inch <sup>2</sup>	0.07	bar	bar	bar	bar	14.50	pounds per inch <sup>2</sup>	psi
psi	pounds per inch <sup>2</sup>	6.89	kilopascals	kPa	kPa	kilopascals	0.145	pounds per inch <sup>2</sup>	psi
<u>VELOCITY</u>					<u>VELOCITY</u>				
mph	miles per hour	1.61	kilometers per hour	km/h	km/h	kilometers per hour	0.62	miles per hour	mph
<u>ACCELERATION</u>					<u>ACCELERATION</u>				
ft/s <sup>2</sup>	feet per second <sup>2</sup>	0.30	meters per second <sup>2</sup>	m/s <sup>2</sup>	m/s <sup>2</sup>	meters per second <sup>2</sup>	3.28	feet per second <sup>2</sup>	ft/s <sup>2</sup>
<u>TEMPERATURE (exact)</u>					<u>TEMPERATURE (exact)</u>				
°F	Fahrenheit	5/9 (Celsius) - 32°C	Celsius	°C	°C	Celsius	9/5 (Celsius) + 32°F	Fahrenheit	°F







































































































