



# RFID Tire Tag

RFID Product

## Technical Data Sheet

Part: #WF- SM-0043

### General Description

#### RFID Tire Tag



Improve and increase visibility inventory control of bulk quantities of tires with William Frick and Company's RFID Tire Tags. A flexible material designed with a very aggressive and tacky-rubber based adhesive makes it an ideal construction on tires (tread or sidewall) tagging application. The addition of a thermal transfer printable top layer and embedded RFID inlay makes for a perfect inventory control tag.

#### Application:

Designed for tires in order to improve inventory control and visibility, these tags can be managed via bar code, RFID- technology or both. Apply these labels directly onto the tire, tire tread, micro- vented tires or mold- release treated tires.

- Aggressive and tacky rubber- based adhesive
- Thermal transfer printable
- Flexible material to contour to any shape or tire
- Bar code serialization available
- RFID UHF Gen 2 EPC Compliant
- Available Pre- Printed and Pre- encoded

### Applications

Identification Labeling, Barcode Labeling

### Material Description

*Custom graphics or designs available*

#### White Polyester Face Stock

Facestock:	.002" White Polyester
Backing Material:	.0035" White Vinyl
Linear:	50# Silicone Coated (two sided linear coated)
Application Temperature:	42°F to 120° (5C to 49C)
Service Temperature:	-20°F to 140°F (-29C to 60C)
Water Resistance:	Not Recommended
Oil Resistance:	Fair
Solvent Resistance:	Fair
Abrasion Resistance:	Good
UV Resistance:	Not Recommended

### RFID Performance

RFID Protocol:	EPC Class 1 Gen 2 ISO 18000-6C
Tag Type:	Passive Read/Write



Tag Type:	Passive Read/Write
IC:	Impinj Monza 4
Frequency Range:	860-960 MHz (Global)
Read Range:	Up to 12ft.
User Memory	512- bit

## Adhesive

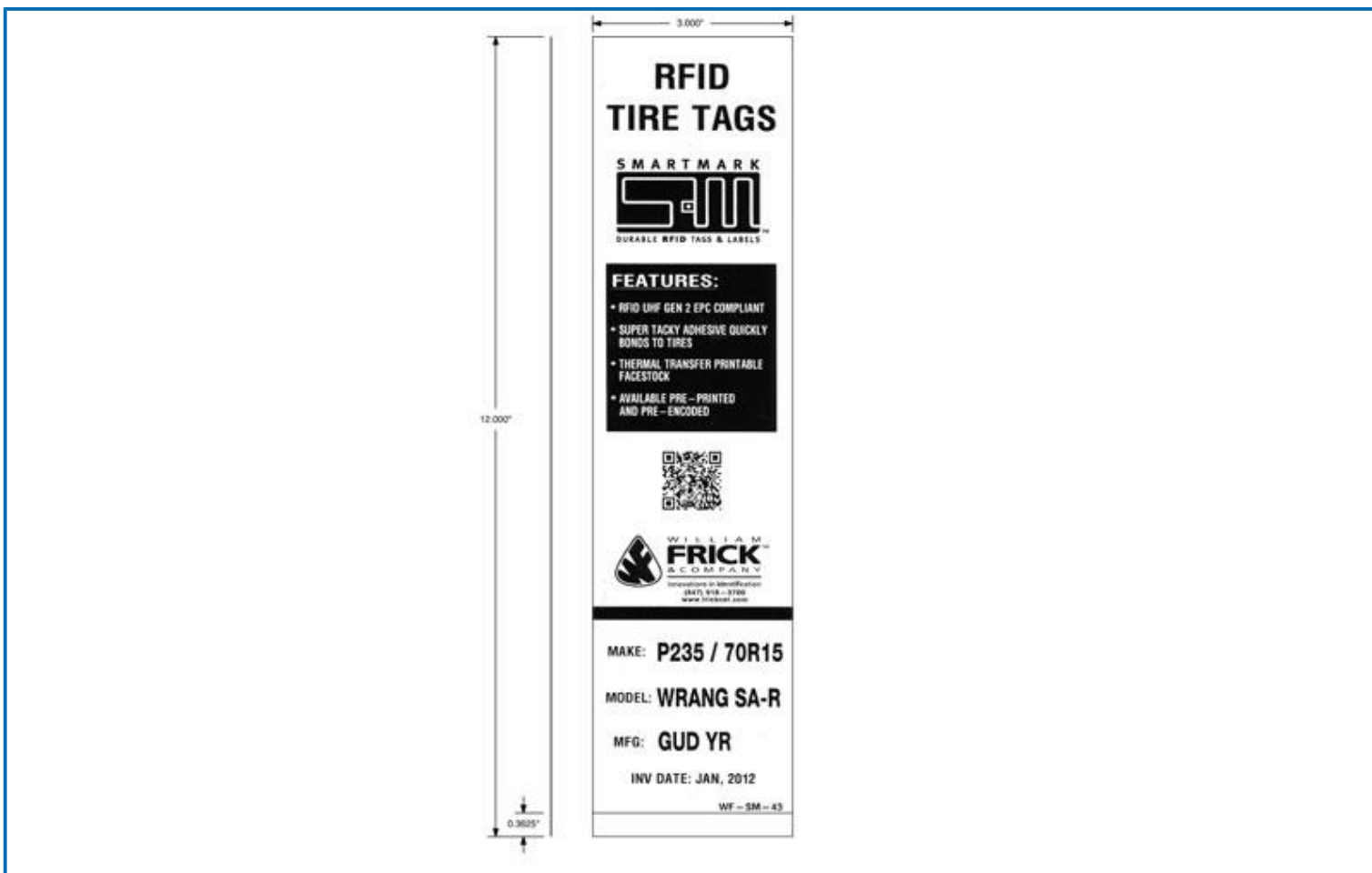
### Hi- tack Rubber- Based

Adhesive Type:	Hi- tack Rubber- Based
Thickness:	3.0g / 100 in.
Adhesion to Stainless Steel:	Excellent
Adhesion to Glass:	Excellent
Adhesion to LSE Plastics:	Excellent
Adhesion to HSE Plastics:	Excellent

## Shelf life

### Stored at 72°F / 50% Relative Humidity

If not applied, the shelf life is six months. Do not store the material banded, double stacked or in warm environments as the adhesive tends to ooze.



<p>ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</p> <p>TOLERANCES  3 PLACE DECIMAL + OR-.005"  2 PLACE DECIMAL + OR-.02"  1 PLACE DECIMAL + OR-.1"</p> <p>MAX SURFACE ROUGHNESS  ALL MACHINED SURFACES EXCEPT AS NOTIFIED</p> <p>BREAK SHARP EDGES AND CORNERS .010" MAX</p>	Contact No.	<b>William Frick &amp; Co.</b>			<a href="http://www.fricknet.com">www.fricknet.com</a>
	DWG.	<b>RFID Tire Tag</b>			
	Engr.				
	Chk.				
	Aprvd.	Size.	DWG No. WF- SM-0043	Rev.	

Test product for system compatibility as individual application conditions can impact results. William Frick Co. does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or any final product into which the product(s) may be incorporated by the purchaser and/ or user. The purchaser and/ or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.



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