

**LISTE DES FOURNISSEURS DE CODE BARRES ET PUCES RFID POUR  
PNEUMATIQUES HOMOLOGUES PAR LA FIA  
LIST OF SUPPLIERS FOR TYRE BARCODES AND RFID TAGS  
HOMOLOGATED BY THE FIA**



**LISTE TECHNIQUE N° 54 / TECHNICAL LIST N° 54**

**Liste des fournisseurs de code barres pour tous les championnats FIA  
exceptés le Championnats Formula E et  
le Championnat d'Europe FIA des Rallyes Sportifs Historiques**

**List of suppliers for barcodes for all FIA Championships  
except FIA Formula E Championship and  
FIA European Historic Sporting Rally Championship**

<b>Seriplastica</b>  Velaskostrasse 6 85622 Feldkirchen / Germany  Tel: +49 89-903 80 75 email: <a href="mailto:sales@seriplastica.com">sales@seriplastica.com</a>	<b>Transfer Gomma Srl</b>  via E. Mattei, 5 35030 Saccolongo (PD) / Italy  Tel +39 049.8015680 <a href="http://www.transfergomma.com">www.transfergomma.com</a>	<b>Polymeric Labels Limited</b>  12 Greenacres Road, Oldham, OL4 1HA United Kingdom  Tel: +44 1616789005 email: <a href="mailto:sales@polymericlabels.com">sales@polymericlabels.com</a> <a href="http://www.polymericlabels.com">www.polymericlabels.com</a>
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**Spécifications requises pour les code barres  
Required specifications for the barcodes**

Type	
- Single barcodes:	
- Double barcodes:	
Material	
- Rubber base	
- To be used before vulcanisation	
Size	
- Single barcodes:	42mm * 14mm and 50mm * 14mm with RFID logo
- Double barcodes:	84mm * 14mm and 100mm * 14mm with RFID logo (set of 2 pieces)
Uniqueness	
- Single barcodes:	only one existing number per piece
- Double barcodes:	only one existing number per set of 2 pieces

**Colours**

- Single barcodes:

black on yellow background (Pantone Ref.: 103)

- Double barcodes:

black on orange (Pantone Ref.: 1225) and red (Pantone Ref.: 1805) backgrounds

**Code Interleave**

- Interleaved 2 of 5  
 - 8 or 10 digits

**First Digit**


- First digit dedicated to Manufacturer brand:

Michelin	0
SESS Tyres	0
Avon Coopertire	1
MRF	1
Falken	2
Dunlop	2
Silverstone	3
Maxsport	3
Toyo	4
Pirelli	5
Yokohama	6
DMack	7
Kuhmo	7
GITI	8
Extreme Tyres	9
Hankook	9

**Liste des fournisseurs de code barres  
en Championnat d'Europe FIA des Rallyes Sportifs Historiques  
*List of suppliers for barcodes  
in the FIA European Historic Sporting Rally Championship***

Transfer Gomma srl  
via E. Mattei, 5 - 35030 Saccolongo (PD)  
Tel +39 049.8015680  
email: serviziovendite@transfergomma.com

**Spécifications requises pour les code barres  
en Championnat d'Europe FIA des Rallyes Sportifs Historiques  
*Required specifications for the barcodes  
in the FIA European Historic Sporting Rally Championship***

Type	
- Single barcodes:	
Material	
- Rubber compound	
- To be used after vulcanisation	
Size	
- Single barcodes:	different sizes
Uniqueness	
- Single barcodes:	only one existing number per piece
Colours	
- Single barcodes:	black on yellow background
Code	
- Interleaved 2 of 5 or Code 128	
- 5 digits	

**Spécifications requises pour les code barres pour pneumatiques  
en Championnat FIA Formule E**  
*Required specifications for the tyre barcodes  
in the FIA Formula E Championship*

<b>Type</b>	
- Single barcodes:	
<b>Material</b>	
- Rubber compound	
- To be used before vulcanisation	
<b>Size</b>	
- Single barcodes:	different sizes
<b>Uniqueness</b>	
- Single barcodes:	only one existing number per piece
<b>Colours</b>	
- Single barcodes:	black on yellow background
<b>Code</b>	
- Code 39 or Code 128	
- 8 digits	

**Liste des fournisseurs de puces RFID pour tous les championnats FIA**  
**List of suppliers for RFID tags for all FIA Championships**

<b>Chip Manufacturer</b>	Alien	Impinj		UCODE	HANA
<b>Model Name</b>	Higgs - 3	Monza 4	Monza R6P	7xm-1K	
<b>RFID Protocol</b>	Compatible with EPC C1G2 (ISO18000-6C) / UHF				
<b>Frequency Range</b>	860 ~ 960MHz				
<b>EPC (UII) Memory - Lockable</b>	96 bits	96 bits – locked (coding with SGTIN96 standard)		128 bits	448 bits
<b>TID Memory - Locked</b>	192 bits	32 bits - locked	128 bits	96 bits	96 bits
<b>USER memory</b>	512 bits	512 bits		64 bits	1024 bits