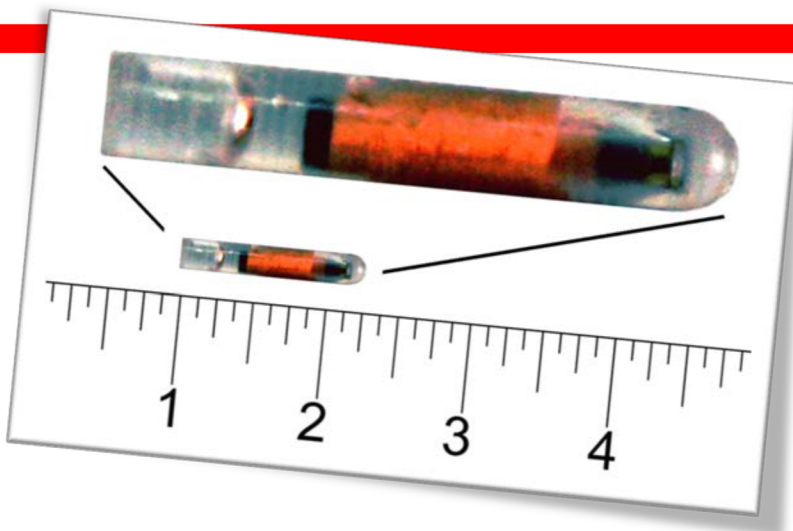


# 12mm Bio Polymeric

**ACTUAL SIZE** Ø2.86mm x 12mm  
Ø0.11in x 0.47in

**WEIGHT** 0.11 grams / 0.0038 oz



## SPECIFICATIONS

TECHNICAL				BIO POLYMERIC & PACKING OPTIONS			
Model Number	12BP		12BPNP		12BPNP		
Packaging Options	Bio Polymer Transponder Only		Sterile Needle unit incl. and re-useable syringe		Sterile Syringe with removable needle & cap		
Inclusion Options	Colour Options		Barcode Labels, Aluminium tag		Barcode Labels, Aluminium tag		
Pack Sizes	1k,5k,10k, 50k		Packs of 30		Packs of 20		
Operating Frequency	FDX-B 134.2Khz or 125kHz Read Only or Read/Write						
Chip Type	EM4305						
CHEMICAL & MECHANICAL							
Transponder Exterior	FDA APPROVED BIO POLYMER (PARYLENE COATING OPTIONAL)						
Water	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h (Tested to 600 BAR)						
Resistance	Shock/Vibration IEC 68-2-29 / IEC 68.2.6			Chemical Resistance Acid & Alkalis, Excellent			
Storage Temperature	-40° to +194° F (-40° to +90° C), 1000h						
Operating Temperature	-13°F to +185° F (-25° to +85° C)						
Peak	248° F (120° C), 100 h; '284° F (140° C), 10 h						
Certification	ISO11784/11785 : ICAR Conformance & Performance of transponders ISO Bureau Veritas Lab testing for mechanical durability						
Duration	Warranty : 2 years			Sterile : Processed in EO GAS : 5 YEARS			

## NON-MIGRAGTION FOOD SAFE POLYMERIC TAG

- The Food Safe polymeric Microchip uses a patented infusion process to house the RFID microchip electronic inside a solid block of surgical FDA approved anti-microbial bio polymer.
- Food Safe polymeric tags surgical polymeric housing encourages tissue growth from the animal own cells to grow onto and lock the microchip in place (no need for Parylene coating).
- Food Safe polymeric microchips have a unique design shape. Our microchips are round at the front end to let the microchip slide down inside the needle and gently enter into the animal. The back end of the microchip is flat, this design feature is to ensure that as the cannula is pulled back out of the wound, the animals tissue closes around the flat end of the polymeric microchip locking it in place. This is very important because it takes time for the incision to close and heal.
- Food Safe polymeric tags operate on North Sea Oil Rig drill heads. Proven to withstand 600 bar+ water pressure in the drill hole