

ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-167
Name of the item to be scouted: Polyester Wrapped Helical Wire Spring for use in Medical Device
State item to be used in: New York

Describe the Item:

Please describe the item application/the end use of the item.

This is a nylon tube, 42 mm in diameter, 92 mm long, wrapped with a .6mm helical wire at 12.6mm pitch then encased in another nylon tube. Materials need to be Bisphenol A. (BPA) free. For use in medical device

Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer x
Contract Manufacturer
Distributor
Other (Please Specify)

Reason for Scouting Submission (select from the list below)

2nd Supplier
Price x
Re-Shore
Past supplier no longer available
New Product Startup
BABA
Other (Please Specify)

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)

Enclose stainless steel wire between a long thin strip of polyester consisting of a top side and bottom side that adhere to each other with the wire sandwiched between. Apply adhesive to the edges and wrap the wire/polyester ribbon in a helical pattern around a 42mm cylindrical core with a wire pitch of ~12.6mm. Be sure to overlap polyester film with each revolution to ensure an air tight chamber and proper adhesion. Cut to length.

Provide dimensions / size / tolerances / performance specifications of the item

• Tube length: 92mm • Tube diameter: 42mm • Wire/polyester film pitch: 12.6mm • End Circularity: 2mm • Wire material: Stainless Steel (required for corrosion and spring force purposes) • Wire diameter: 0.65mm • Polyester thickness: 0.0125-0.030mm See video link in Additional Comments sections of this form for polyester film dimensions using known dimensions if that is the manufacturing technique used.

List required materials needed to make the product, including materials of product components, if applicable

• Stainless steel wire • Polyester film or BPA free equivalent

Are there applicable certification requirements?

Yes x
No

Please explain: Bisphenol A. (BPA) free

Are there any applicable regulations that apply to the production of this item?

Yes
No x
Please explain:

Are there any other standards / requirements?

Yes x
No
Please explain: Any other medical certifications would be helpful It should be capable of being sterilized

Additional Comments:

Additional technical comments: There may be additional testing required before purchase.

Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year): 12,000 / year

Estimated Target Price / Unit Cost Information: \$1.70

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc)

This product is needed throughout the year.

Describe packaging requirements (i.e. individually / group packaging, etc)

Packaging is negotiable

Where will this item be shipped?

Northern NY

Additional Comments:

Is there other information you would like to include?

See this link for the math behind this process.
<https://www.youtube.com/watch?v=2Kgn3VtNMQQ> Keep in mind all information given is estimated. Values given may not exactly match our current spec for confidentiality reasons. If a supplier is promising we can look into divulging more information.





