

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-089
Item to be Scouted	Party balloon Foil (Mylar)
Days to be scouted	30
Response Due By	04/25/2025
Description	Laminated foil laminate for use in EverFoam's party balloons. The foil must provide structural integrity while remaining flexible enough for reused.
Notify Requester Immediately	No
State item to be used in	New York

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Material Preparation: Rolls of laminated foil (20-micron PET // Ink // 30-micron LDPE) are inspected and aligned.</p> <p>Printing (If Needed): Graphics are printed on the PET layer, with surface treatment applied if required.</p> <p>Cutting: Automated die-cutting machines precisely cut balloon-shaped pieces from the foil.</p> <p>Heat Sealing: Matching foil pieces are aligned and sealed along the edges using high-temperature heat sealers, creating an airtight barrier.</p> <p>Trimming & Inspection: Excess material is trimmed, and each balloon is inspected for quality and durability.</p> <p>Packaging: Completed balloons are packed for distribution.</p>
Provide dimensions / size / tolerances / performance specifications for the item	<p>Dimensions: Standard industry roll sizes (a roll that is 34" wide)</p> <p>Performance: Must withstand multiple inflation and deflation cycles without wrinkling. Additionally, the foil laminates must be suitable for printing directly on the balloon for decorative purposes.</p> <p>To reduce complexity, we have flexibility in the PET and LDPE range of thickness</p>
List required materials needed to make the product, including materials of product components	<p>Foil Laminate Composition:</p> <p>15-micron Nylon // 12-micron Metallized PET // 50-micron LLDPE</p> <p>Total Thickness: ~77 microns</p> <p>Properties: High durability, heat resistance up to 200°C, low air permeability for maintaining balloon inflation.</p>
Are there applicable certification requirements?	No
Are there applicable regulations?	No

Are there any other standards, requirements, etc.?	No
NAICS 1	325211 Plastics material and resin manufacturing
NAICS 2	326113 Unlaminated plastics film and sheet (excluding packaging) manufacturing
Additional Technical Comments	Looking for a manufacturer who can supply the foil film and laminate it to specification To reduce complexity, we have flexibility in the PET and LDPE range of thickness

Section 4: Business Information

Estimated potential business volume	1000 units a year
Estimated target price / unit cost information (if unavailable explain)	100 MSI (Thousand Square Inches): \$20 to \$50
When is it needed by?	ASAP
Describe packaging requirements	Rolled. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	USHECO Inc. Address: 138 Maple Hill Rd, Kingston, NY 12401 Phone: (845) 658-9200

Additional Comments

Is there other information you would like to include?	
---	--

EverFoam Foil Laminate Product Requirements Document (PRD)

1. Document Ownership

- **Document Owner:** Traci Jones, Founder, EverFoam Products®
- **Stakeholders:** EverFoam's Product Development Team, Manufacturing Partners
- **Contact Information:**
 - Email: jones.tracit@gmail.com
 - Phone: 914-649-8164

2. Purpose

This PRD outlines the specifications for foil laminates used in EverFoam products, specifically for the flagship balloon product. The materials must meet durability, flexibility, and safety standards, contributing to the sustainability and quality of EverFoam products.

3. Product Overview

- **Product Name:** Laminated Foils
- **Description:** Foil laminate films designed for use in EverFoam's party balloons and outer packaging. The foil must provide structural integrity while remaining flexible enough for reuse and compliant with sustainability goals.
- **Intended Use:** To be used in the construction of EverFoam balloons

4. Requirements

4.1 Technical Requirements

- **Balloon Laminate Composition:**
 - 15-micron Nylon // ink // 12-micron Metallized PET // 50-micron LLDPE
 - Total Thickness: ~77 microns
 - Properties: High durability, heat resistance up to 200°C, low air permeability for maintaining balloon inflation. Must withstand multiple inflation and deflation cycles without wrinkling. Additionally, the foil laminates must be suitable for printing directly on the balloon for decorative purposes.
- **Adhesion:** Both laminates must be compatible with industrial-grade adhesives used in manufacturing EverFoam products. Strong adhesion between layers is essential for durability and safety.

4.2 Functional Requirements

- **Flexibility:** Laminates must allow for easy compression and shaping without cracking. Balloon laminates must expand without losing structural integrity.
- **Heat Resistance:** Laminates must withstand the heat required for sealing without deforming.
- **Durability:** The balloon must be durable enough for multiple uses, maintaining their integrity through various cycles of compression, expansion and transportation.

4.3 Regulatory and Environmental Requirements

- **Compliance:**
 - ASTM F963 (Toy Safety)
 - CPSIA (Consumer Product Safety Improvement Act)
- **Recyclability:** Laminates should be recyclable.

5. Evaluation and Success Criteria

- **Testing:** Laminates will undergo multiple stress tests to ensure they meet the outlined durability, flexibility, and heat resistance requirements. Testing will also verify compliance with regulatory standards.
- **Recyclability:** Evaluation of the materials' ability to be recycled in various regions to ensure compliance with EverFoam's sustainability mission.

6. Milestones

- **Q4 2024:**
 - Finalize material selection and initial production samples for balloon foil laminates.
 - Procure materials foil laminates for pilot production.