

## ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-184  
 Name of the item to be scouted: Polyethylene cut sheets/frits  
 State item to be used in: North Carolina

### Describe the Item:

Please describe the item application/the end use of the item. Ultra-High Molecular Weight Polyethylene

### 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  
 Re-Shore x  
 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) Take the sheets of the Ultra-High Molecular Weight Polyethylene and punch out “wafers” (we call them frits) of various diameters (the thickness would be constant) and incorporate these “wafers” into multiple product assemblies.

Provide dimensions / size / tolerances / performance specifications of the item The raw material needs to be cut sheets (12”x12” or 18”x18”) of varying porosities. Desired porosities are: 0.5um, 2um, 5um, and 10um.

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

Are there applicable certification requirements?  
 Yes  
 No x  
 Please explain:

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  
 No x  
 Please explain:

### Additional Comments:

Additional technical comments: Non-Chinese Dependent Domestic Suppliers Preferred

### Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year): TBD (To be Determined)  
 Estimated Target Price/Unit Cost Information: TBD (To be Determined)

### Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc.) Looking to get these sheets inhouse as quickly as possible so that we can notify our customers of the available inventory for custom orders.  
 Describe packaging requirements (i.e. individually/group packaging, etc.) TBD (To be Determined)  
 Where will this item be shipped? Leland, North Carolina

### Additional Comments:

Is there other information you would like to include?