

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-325
Item to be Scouted	Medical-Grade Injection Molded Components & Flexible PCB Assembly
Days to be scouted	15
Response Due By	10/31/2024
Description	<p>We are seeking a manufacturer capable of producing and assembling components using Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV), Polyarylamide IXEF GS-1022, and flexible PCB boards through injection molding and PCB assembly. The ideal manufacturer will have experience in medical-grade materials, flexible circuits for wearable tech, and precision molding for high-quality parts with strict tolerances.</p> <p>Material Requirements:</p> <p>Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV) Application: Medical covers, buttons. Tolerance: +/- 0.003 in. Volume: 50-100 parts per batch. Finish: PM-F1 (cosmetic), SPI-A2 (non-cosmetic).</p> <p>Polyarylamide IXEF GS-1022 Application: Structural components like cases and actuator covers. Reinforcement: 50% glass-fiber. Tolerance: +/- 0.002 in. Volume: 100 parts per batch. Finish: PM-F1.</p> <p>Flexible PCB Boards Application: Wearable technology. Production: Small to medium batches (e.g., 50 units). Assembly: SMT and through-hole, stencil preparation, and component placement.</p>
Notify Requester Immediately	No
State item to be used in	New Jersey

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	Past supplier no longer available
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<ul style="list-style-type: none">- Injection Molding: High-precision parts, meeting both cosmetic and non-cosmetic standards.- PCB Assembly: Expertise in flexible circuit manufacturing and assembly.- Material Expertise: Familiarity with medical-grade materials (e.g., ISO 10993 compliance).- Volume Flexibility: Small-batch production (50-100 parts). <p>The drawings and specifications will be shared during the interview stage, after the listing has closed.</p>

Provide dimensions / size / tolerances / performance specifications for the item	<p>Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV) Application: Medical covers, buttons. Tolerance: +/- 0.003 in. Volume: 50-100 parts per batch. Finish: PM-F1 (cosmetic), SPI-A2 (non-cosmetic).</p> <p>Polyarylamide IXEF GS-1022 Application: Structural components like cases and actuator covers. Reinforcement: 50% glass-fiber. Tolerance: +/- 0.002 in. Volume: 100 parts per batch. Finish: PM-F1.</p>
List required materials needed to make the product, including materials of product components	<p>Santoprene™ 8281-35MED TPV Polyarylamide IXEF GS-1022</p>
Are there applicable certification requirements?	Yes
Certification(s) required	ISO
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	326199 All Other Plastics Product Manufacturing
NAICS 2	334418 Printed circuit assembly (electronic assembly) manufacturing
Additional Technical Comments	ISO 10993 compliance

Section 4: Business Information

Estimated potential business volume	We would like to get as many complete units as we can for \$50k. This is a one-time purchase.
Estimated target price / unit cost information (if unavailable explain)	See above
When is it needed by?	The product is needed within 1 year.
Describe packaging requirements	Standard. Product must be delivered undamaged via best available means
Where will this item be shipped?	New Jersey

Additional Comments

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