

Plastic Joining Applications



Rack and Pinion Boot


MARKET SEGMENT:

Automotive

PROCESS: Hot Plate Welding

MATERIAL: Injection molded HDPE mounting flange, blow molded HDPE bottle.

REQUIREMENTS:

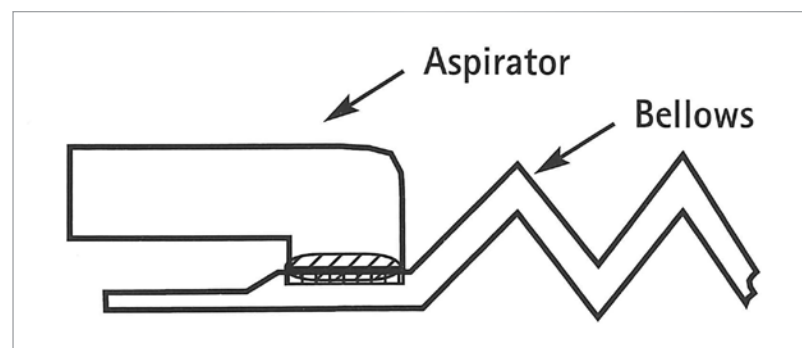
- Strong structural weld and hermetic seal. See photo at left for joint design used for assembly.
- Minimal, tight flash.

ADVANTAGES:

- Eliminates consumables.
- Assembles parts produced by two different molding processes.
- Corrective melting overcomes part warpage.

EQUIPMENT:

Hot Plate welder size depends on bottle size, configuration, and number of parts per cycle.



Plastic Joining Applications

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