

## SPOTS ON PTFE FABRICATIONS

Most of our PTFE fabrications are made from PTFE resins conforming to ASTM D4894, Standard Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials.

With respect to spots occurring on items made from such resins, the relevant ASTM Standard Specifications are:

- ASTM D1710 for Extruded PTFE Rod, Heavy Walled Tubing and Basic Shapes
- ASTM D3294 for PTFE Resin Molded Sheet and Molded Basic Shapes
- ASTM D6457 for Extruded and Compression Molded (PTFE) Rod and Heavy-Walled Tubing

The following excerpts are from those specs with relevant terms highlighted:

### COLOR

- 1) D1710 & D6457, Paragraph 8.1
  - a) “Type I shall be white translucent, **but may have occasional spots.**”
- 2) D3294 Paragraph 9.1
  - a) “Type I shall be white to translucent, **but often have occasional spots.**”
- 3) Note that Type I covers **premium** products, the best classification in the spec. Type I may be made from either virgin (Grade 1), or repro. (Grade 2)

### VISUAL INSPECTION

- 1) D1710 & D6457, Paragraph 12.1
  - a) ... “**Occasional superficial flaws** in PTFE rod or heavy-walled tubing should be interpreted as not affecting the physical and electrical properties.”