

## Polyester-Filled Polytetrafluoroethylene (SP-5)

**SP-5** is a polyester-filled PTFE compound. It exhibits superior heat and wear resistance as compared with Virgin PTFE and graphite-filled compounds. This low friction compound is exceptionally well-suited for rotary service equipment applications. Since **SP-5** will not wear metal mating surfaces, it is recommended for low to high speed applications running against soft metals. **SP-5** is suggested for use in applications with service temperatures ranging from -320° F to +475° F (-196° C to +246° C).

### Chemical Compatibility

**SP-5** is compatible with most fluids and gases.

### FDA Compliance

**SP-5** is not FDA compliant. Request Report 50-640 for Bal Seal's definition of FDA compliant.

### Mechanical Properties

Tensile Strength (typical)	ASTM D638	3000 PSI
Elongation (typical)	ASTM D638	350%

### Color

Light tan to brown (color variations may occur during processing)

### Advantages of SP-5

- Suitable for rotary and reciprocating applications
- Low wear rate, high temperature resistance
- Minimal wear to soft metal countersurface
- Non-conductive

For more information, contact a technical sales representative, or e-mail us at [sales@balseal.com](mailto:sales@balseal.com).

It is essential that the customer run evaluation testing under actual service conditions with a sufficient safety factor to determine if the proposed, supplied or purchased Bal Seal Engineering products are suitable for the intended purpose and to confirm expected results. Bal Seal Engineering makes no warranty, express or implied, regarding Bal Seal Engineering products or of the information contained herein, including but not limited to, warranties of merchantability, performance, and fitness for a particular use or purpose. Bal Seal Engineering shall not be liable for any loss or damage of any kind or nature that may result from the use of, reference to, or reliance on, the information contained herein, including, but not limited to, consequential, special (including loss of profits) direct, indirect, incidental, or similar damages, even if Bal Seal Engineering has been advised of the possibility of such damages. © 2011 M-57 Rev. NC (623-65) 03-16-11

U.S. Address 19650 Pauling Foothill Ranch, CA 92610-2610 • Telephone: (949) 460-2100 • Fax: (949) 460-2300

BV Address: VIDA Building, 1st Floor • Kabelweg 57 • 1014 BA Amsterdam • The Netherlands • Telephone: 31 20 638 65 23 • Fax: 31 20 625 60 18

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