

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.

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

Bal Seal Europe: Jollemanhof 16, 5th Floor • 1019 GW Amsterdam • The Netherlands • Telephone: 31 20 638 65 23 • Telefax: 31 20 625 60 18

Bal Seal Asia: Suite 901, Chinachem Century Tower • 178 Gloucester Road, Wanchai, Hong Kong • Telephone: +(852) 28681860 • Telefax: +(852) 22956753

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