

A Longer Wearing Polyethylene (UP-30)

UP-30 is an ultra-high molecular weight (UHMW) polyethylene-based material, that provides excellent results, especially in HPLC service at pressures to 3000 psi and 4 fpm in water.

For use in general applications, **UP-30** gives substantially better performance than any other type of seal material. The temperature range is from -450° F to +180° F (-268° C to +82° C.)

Chemical Compatibility

UP-30 is compatible with acids and bases. (For more compatibility information, request report TR-60A, or go to www.balseal.com/techlib. Select **Technical Reports**, then select **TR-60A Chemical Compatibility Guide**)

FDA and USP Compliant

UP-30 is FDA compatible. (Request Research Report 50-640 for Bal Seal's definition of FDA compatible)

Mechanical properties

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|------------------|-----------|---|
| Tensile strength | ASTM D638 | 3,700 psi min (251 kg/cm ²) |
| Elongation | ASTM D638 | 200% min |

Color

Yellow-gold

Cost:

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Typical applications

- Pumps in liquid chromatography
- Paint spraying equipment
- Ink dispensing
- Cryogenic components
- Food and pharmaceutical equipment

Other information

For additional information, please contact our Technical Sales Representative at (949) 460-2100. Bal Seal maintains a vast library of material references and test information.

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© 2010 RT-53 (50-417); M-4 Rev. C (623-4 and 623-64) 04-13-10

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