

Xaloy® MeltPro™ Barrier Screw

Increase speed screw recovery, reduce short shots and improve temperature control with Xaloy's innovative MeltPro™ barrier screw. Xaloy's MeltPro™ barrier screw is the workhorse of high performance barrier screw designs with tailorable properties to process crystalline and amorphous resins. Our custom designed screw provides better control of resin shear stress and melt temperature as well as increased melting rates and enhanced melt pumping performance.

Features and Benefits

Rating

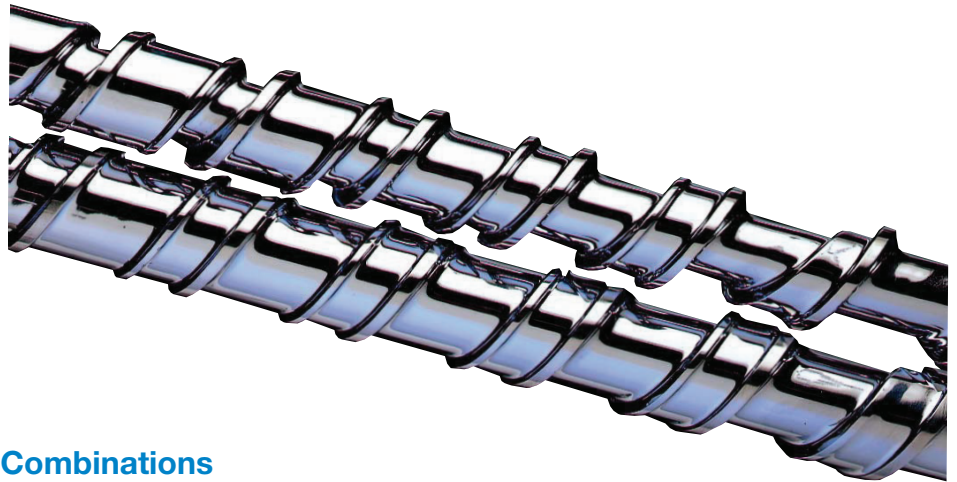
When compared to single stage screws, general purpose screws, we expect the Xaloy MeltPro™ screw to reduce recovery times by 10 to 20%.

Applications

- Most crystalline high throughput applications
- Maximum output and excellent dispersion in FPVC applications

Benefits:

- Maximum production rates
- Faster cycles
- Less in-process scrap produced
- Better dispersion & physical properties
- Fast return on investment (ROI)
- Highest throughputs in the industry
- Low melt temperature



Xaloy MeltPro™ Barrier Screw Combinations

Xaloy MeltPro™ Barrier Screw with Z-Mixer

- Provides the industry's best melting and dispersive mixing performance
- Superior plasticating rates for polyolefin compounds

Xaloy MeltPro™ Barrier Screw with V-Mixer

- Versatile melting/mixing combo for use with a wide variety of resin applications
- Provides superior melting performance with good dispersive and distributive mixing without adding significant shear heat

Xaloy MeltPro™ Barrier Screw with Pulsar®

- Minimal IV loss with outstanding output for PET packaging applications
- Superior high output performance for PP and PS applications that require minimal shear with good distributive mixing

Xaloy MeltPro™ Barrier Screw with Pulsar® II

- Superior solution for amorphous or crystalline resin applications that require enhanced distributive mixing
- The choice for structural foam applications with poor bubble distribution and consistency

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Printed in USA
8/2016

