

Barrier section

Melt and meter

Transition

Homogenize

Barrier, undulating profile

Intensive, chaotic mixing

Fusion™ Screw

The Xaloy® Fusion™ screw allows you to increase production and improve product quality in injection molding and extrusion. Its patented design* combines the melting efficiency of a barrier screw with intensive, chaotic mixing produced in a second barrier zone with an undulating root profile.

Which materials?

The Xaloy® Fusion™ screw has already proven to deliver benefits in processing ABS, polyolefins (PP, HDPE, LDPE, LLDPE, MDPE), PET and PLA. For other polymers, consult us for a screw design recommendation.

Ready to serve you

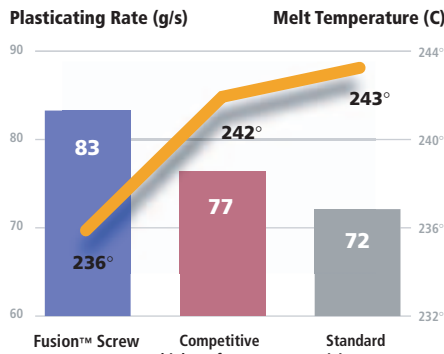
Contact your [Xaloy representative](#) today for a quotation and more information.

*U.S. patent no. 6,672,753

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Injection Molding HDPE

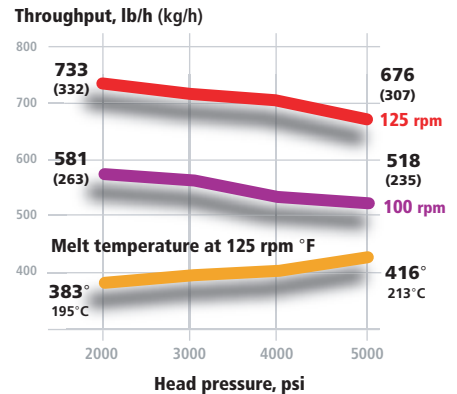


Source: Molding trial conducted by Krauss-Muffei technicians in Munich. Material: 1.8 MFI HDPE. Injection unit: 70 mm x 24:1 L/D.

Injection Molding

- Shorter cycles
- Lower melt temperature
- Superior color/additive dispersion

Extruding HDPE



Material: 0.35 MI HDPE with 35% regrind. Extruder: 90 mm x 24:1 L/D.

Extrusion, Blow Molding

- Higher throughput
- Lower melt temperature
- Improved color and homogeneity

Unique screw designs that make MORE money



www.xaloy.com