

Nano™ Mixer

U.S. Patent no. 6,497,508

Ideal for shear
tolerant materials.



Which Materials?

The Xaloy® Nano™ Mixer has already proven to deliver benefits in processing:

HDPE LDPE
LLDPE MDPE
XLPE PP
Nylon

Which Processes?

The Xaloy® Nano™ Mixer is available for the following processes:

- Sheet
- Wire & Cable
- Blown Film
- Cast Film
- Blow Molding
- Injection Molding
- Profile & Tubing
- Pipe

Nano™ Mixer. In molding or extrusion of shear-tolerant polymers, the Xaloy® Nano™ Mixer combines very intensive dispersionary mixing of colorants, fillers and additives with excellent temperature control.

The unique, patented geometry of the Nano™ mixer provides exponential mixing action. Its melt channels have multiple inlets and outlets that divide, reorient and recombine the melt stream.

What it can do for you

- Breaks up color, filler and nanoclay agglomerates into fine particles and thoroughly disperses them throughout the polymer melt.
- Enhances the effect of additives and fillers on product properties

Ready to meet your needs

Contact your Xaloy representative today for a quotation and more information about a screw equipped with the Nano™ Mixer or other Xaloy® screws, barrels, rolls, or shutoff nozzles.

www.xaloy.com

XALOY®

every pellet knows our name™

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