

Xaloy® Nano™ Mixer

Ideal for shear tolerant materials.

The Xaloy® Nano™ mixer screw combines very intensive dispersionary mixing of colorants, fillers and additives with excellent temperature control. The unique, patented geometry of the Xaloy® Nano™ mixer provides exponential mixing action. Its melt channels have multiple inlets and outlets that divide, reorient and recombine the melt stream.

Features and Benefits

What it can do for you:

- Breaks up color, filler and nanoclay agglomerates into fine particles and thoroughly distributes them throughout the polymer melt
- Enhances the effect of additives and fillers on product properties
- Eliminates un-melts in stiff viscosity materials with minimal melt temperature increase and improved temperature homogeneity

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



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

Xaloy LLC
375 Victoria Road
Austintown, OH 44515 USA
+1.330.726.4000 **Phone**

Germany
+49.7132.999.35.0 **Phone**

Thailand
+66.38.717.084 **Phone**

China
+86.21.5785.091.8 **Phone**

www.xaloy.com | info@xaloy.com
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