

# Xaloy<sup>®</sup> Nano<sup>™</sup> Mixer

Ideal for shear tolerant materials.

The Xaloy Nano<sup>™</sup> mixer screw combines very intensive dispersionary mixing of colorants, fillers and additives with excellent temperature control. The unique, patented geometry of the Xaloy Nano<sup>™</sup> 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<sup>™</sup> Mixer has already proven to deliver benefits in processing:

HDPE	LDPE
LLDPE	MDPE
XLPE	PP
Nylon	

### Which Processes?

The Xaloy Nano<sup>™</sup> 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 Nordson representative for a quotation and more information about a screw equipped with the Xaloy Nano<sup>™</sup> Mixer or other Xaloy screws, barrels, rolls, or shutoff nozzles.

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