

Technifax

POLYETHYLENE

PROCESSING TECHNOLOGY FOR POLYETHYLENE

INCREASE YOUR PRODUCTIVITY BY TIME,
THROUGH FAST DISPERSION FOR ROTATIONAL MOLDING RESINS
WITH A LITTLEFORD DAY "LP" SERIES HIGH-INTENSITY MIXER

Littleford Day, Inc. is a 100 year old, family owned company. Providing its line of vertical High-Intensity Mixers for the Rotational Molding Industry for over 40 years.

These thermoplastic resins, lubricants and pigments are often poorly blended using low intensity ribbon or tumble mixers which only provide surface coating type of mixing.

Best Development Center in the World*

A fully staffed testing center which has over 30+ Mixers / Reactors to choose from. Sizes vary from 5 to 300 Liter.

Lab Rentals for your plant are available.

We look forward to demonstrating our 50 years of mixing technology.

*EZ Color—Larry Findley



Polyethylene Processing Chart

MODEL NUMBER	UNIT SIZES, Liters	WORKING CAPACITY, Cu. Ft. ¹	CAPACITY OF POLYETHYLENE, Lbs. ²	PROCESSING CAPACITY, Lbs/Hr ³
LP-300	300	8.5	100 - 212	2,542
LP-600	600	16.9	200 - 424	5,083

NOTE 1: Capacity based on 25 to 80% fill level

NOTE 2: Based on density of 25 pounds per cubic foot

NOTE 3: Based on 12 batches per hour using an automated material handling system



1 to 2 Minute Batch Cycles
With These
Specialty Blades

The Littleford Day "LP" Series of High-Intensity Mixers is well suited for this application, with typically very short 1 to 2 minute mix cycles. The mix action creates an intensive impingement of lubricant, pigment and additives upon the resin particles. A thorough distributive and dispersive mixing along with the complete breaking up of all agglomerates is provided.

Fast and complete clean out of the mixer between different batches and colors is another important feature of the Littleford Day Mixer. The entire stainless steel bowl is polished to a 120 grit crosspad finish; this makes for easy clean-out. The batch is completely discharged through a flush bottom pneumatically operated plug valve.

Batch sizes from .25 to 50 cubic feet working capacity can be provided with our standard size machines. Optional cooling jackets, 2-speed and variable speed drives are available. The monitoring of time, temperature and power usage is utilized to determine each mixes quality and repeatability.

Littleford Day produces its mixers and processing vessels entirely at its Florence, Kentucky plant under very controlled and exacting manufacturing.

Littleford Day
Where Processing Ideas Become Reality

Littleford Day, Inc.

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