

FEATHERLITE®



The Featherlite® Series is designed to enhance the production process and improve end-product performance of materials it is added too. Just as its name suggests, Featherlite is an ultra-light filler formulated for cast polymer applications as a means to reduce product weight and save costs.

Currently, the Featherlite Series includes:

- FL-20, providing a 20% weight reduction and a 27% resin demand
- FL-30, providing a 30% weight reduction and a 37% resin demand
- FL-50, providing a 50% weight reduction and a 47% resin demand
- FL-1700 is a concentrate, offering a variable 5 to 50% weight reduction depending on the percentage added to the filler
- FL-1500 is similar to the FL-1700 product line but with a lower true density and offers better cost savings

Each of the Featherlite products come ready-to-use with the addition of resin. A standard marble resin is all that is required when using Featherlite. With its bright white color, which requires little or no titanium dioxide, Featherlite is an attractive alternative to other products on the market.

Applications

- Polyester resin casting applications
- Direct replacement for cultured marble
- Ideal for backfilling large tubs and shower pans
- Works well with continuous casting equipment

Key Benefits

- Dramatically improves flexural strength
- Enhances thermal cycle performance
- Increase impact resistance
- Lower VOC emissions
- Reduced cracking

Featherlite® Series

Products made with Featherlite have shown to have a better thermal shock performance than those without. Featherlite incorporates plastic micro spheres, which have an elastic property that allows the sphere to stretch and compress while subjected to stress. This elasticity will absorb stress and significantly reduce the likelihood of stress fractures and cracking. The end result is better thermal cycle with little to no stress cracks caused from hot cures in the mold.

FL 20

FL-20 Physical Properties

Mean Particle Size	80 μ
Dry Color	White
True Density	1.9 g/cc
Free Moisture Content	< 0.1%
Bulk Density	1.5 g/cc

Availability & Packaging: Lead time is typically less than five days. Packaged in 50 lb bags or 2,000 lb super sacks.

FL 50

FL-50 Physical Properties

Mean Particle Size	80 μ
Dry Color	White
True Density	0.9 g/cc
Free Moisture Content	< 0.1%
Bulk Density	0.4 g/cc

Availability & Packaging: Lead time is typically less than five days. Packaged in 25 lb bags or 1,200 lb super sacks.

FL 30

FL-30 Physical Properties

Mean Particle Size	80 μ
Dry Color	White
True Density	1.5g/cc
Free Moisture Content	< 0.1%
Bulk Density	1.0 g/cc

Availability & Packaging: Lead time is typically less than five days. Packaged in 25 lb bags or 1,200 lb super sacks.

FL 1500

FL-1500 Physical Properties

Mean Particle Size	45 μ
Dry Color	White
True Density	0.5 g/cc
Free Moisture Content	< 0.1%
Bulk Density	0.2 g/cc

Availability & Packaging: Lead time is typically less than five days. Packaged in 19 lb bags or 1,500 lb super sacks.

FL 1700

FL-1700 Physical Properties

Mean Particle Size	45 μ
Dry Color	White
True Density	0.7 g/cc
Free Moisture Content	< 0.1%
Bulk Density	0.3 g/cc

Availability & Packaging: Lead time is typically less than five days. Packaged in 19 lb bags or 1,500 lb super sacks.

