

Ka.LA
Kafrit Liquid Additives



Giving Life to Plastic

Liquid Additives

Technology:

Integrated system of mixing & grinding for dispersion and milling of powder pigments immersed in a vegetable oil medium.

Advantages:

1. Excellent dispersion
2. High color strength which reduces LDR in the end product in comparison to granular masterbatches
3. Universal carrier - the oil is compatible with all polymers, combined with low LDR prevents impact on polymer properties
4. Heat stability up to 400 degrees
5. Excellent coloring of transparent products due to superior dispersion
6. Reduced negative influence on product properties
7. Cost effectiveness

Properties	Liquid	Granular	Notes
Compatability	All polymers	Different carrier for each polymer	
Homogeneity	Excellent	Good	
Dispersion	Excellent	Good	
Let down ratio	Up to 1%	2-5%	
Coloration cost	75%	100%	

Feeding into the processing machine:

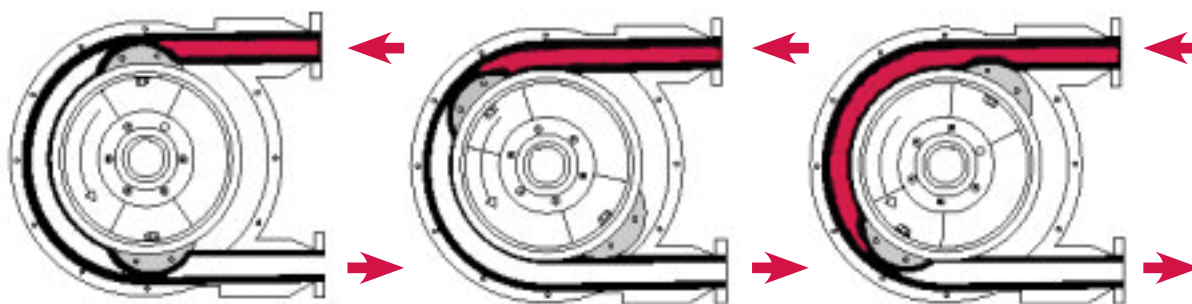
The liquid concentrate is dosed to the processing machine (injection and blow molding, extrusion) using a peristaltic metering pump.

This very easily handled pump has a peristaltic head which rotates and presses a tube pumping the liquid concentrate.

The tube can be inserted into the machine processing at any point between the hopper and the last third of the cylinder, due to minimal mixing time with the polymers. At the end of the production only the tube is replaced.

The dosing system does not need to be cleaned.

We have created a complete system that will move the liquid concentrate from its container directly to the processing machine:



Suitable applications:

Liquid concentrate is suitable for all applications: cast extrusion, film extrusion, injection molding and blow molding. It would not be recommended for opaque, thin films (under 0.2mm) where the LDR would be above the recommended 1%.



KafritGroup

is an innovative and leading producer of customized Masterbatches and Compounds for the plastic industry. For over 35 years Kafrit and its subsidiaries have been operating globally selling unique products and giving added value to well known consumers around the world.

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The Group supplies the following Masterbatches & Compounds:

Acid Scavengers
Antiblock
Anticorrosion
Antifog
Antimicrobial Agents
Antislip
Antistatic
Color Concentrates
Flame Retardants
Fillers
Foaming Agents
IR Absorbers
Light Stabilizers
Lubricants
Matting Agents
Metal Deactivators
Nucleating Agents
Optical Brighteners
Processing Aids
Purge Agents
Release Agents
UV Absorbers
White Masterbatches

For applications such as:

Agricultural Films
Biodegradables
BOPA
BOPP
Fibers
Nonwoven
PE Packaging
Polycarbonate Sheet
PP Cast and Calander Films
Tapes
Thermoforming



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