

# Plastaid: Multifunctional Processing Aids (MPAs) for Filler masterbatches and Compounds

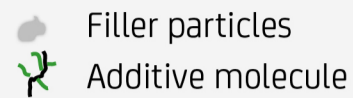
Evolution through Maximized Value Addition



**FINE ORGANICS**

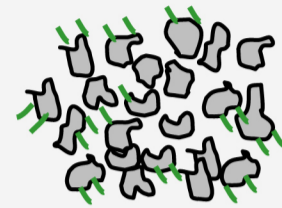
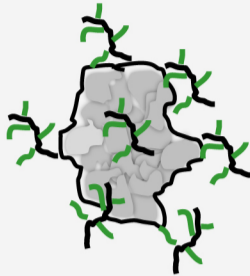
## Principle of working

Special Functionalities →



Hydrogen bonding between filler and additive molecules

Effectively replacing filler-filler attractive force to additive-filler interactions



Filler particles agglomerate due to hydrogen bonding between filler-filler particles

Plastaid MPA forms hydrogen bonding with filler particles

**Excellent dispersion**

**Reason for effective wetting and dispersion with Plastaid MPAs**

## The Classic

### Plastaid T

- Industrywide accepted MPA in Masterbatches for decades
- Offers enhanced filler dispersion
- Suitable compatibility with base polymers

#### Current limitations in use

- Higher melt flow requirements for high-speed machines
- Food contact compliance

## New generation improved versions of Plastaid T

### Plastaid TN

New generation version of Plastaid T

Superior melt flow

**Suitable food-contact compliance + REACH registration**

Effective wetting & dispersion of fillers in highly filled Masterbatches

### Plastaid FC 20 N

New generation improved version of Plastaid TN

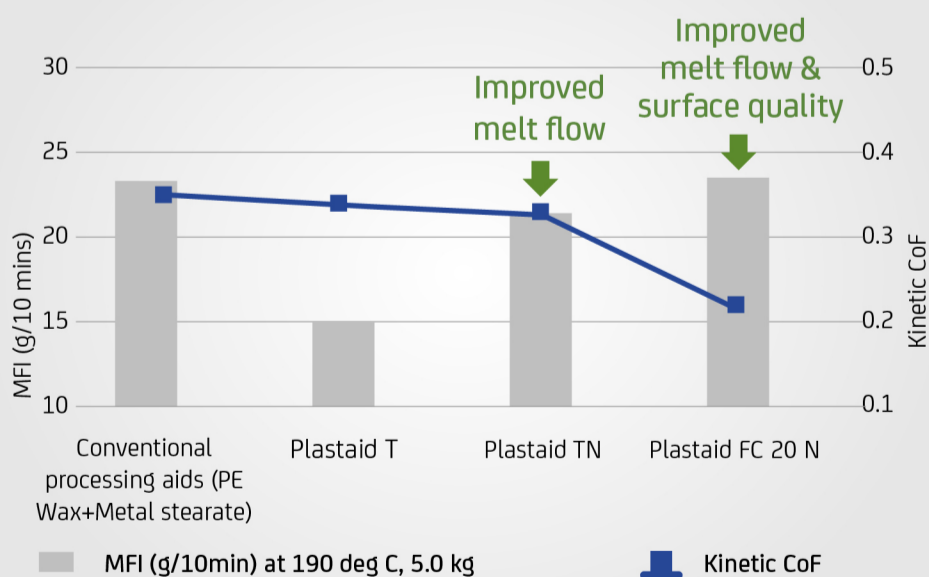
Improved melt flow – Can replace external lubricants combination (PE-wax + metal stearate)

**Suitable food-contact compliance + REACH registration**

Suitable performance at high-speed operations with improved surface properties – Slip, surface gloss and protection from scratches

## Performance parameters

Filler loading: 80% Additive loading: 1.5%



Effective melt flow along with excellent surface quality, which are critical for high speed and high filler loading formulations.

**New generation Plastaid MPAs can assure superior quality filler dispersion along with the processing benefits & suitable compliances in Your filler based formulations.**

Selection of FINE additives can assure a bio-based, functional and high quality solution to plastics based applications, which can help you to up your Sustainability & Quality quotient.

**Trusted Additive solutions assuring Profit through Functionality & Savings through Quality.**

Explore more FINE additives for Your Speciality Applications/Compounds/Masterbatches to maximize benefits with us at [info@fineorganics.com](mailto:info@fineorganics.com).

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