

MHK Color

Technical Data Sheet (TDS)

Liquid Color Masterbatch

Product Name	Liquid Color Masterbatch
Product Code	MHK-LC-001
Manufacturer	MHK Color - Foshan, Guangdong, China
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Product Description

Liquid color and additive concentrates for applications requiring precise dosing, rapid color change, and superior dispersion in thin films and molded products.

Technical Specifications

Appearance	Colored liquid
Active Content	Pigment 30-65%
Carrier Resin	Liquid carrier (polyol/PEG/specialty)
Pigment/Active	Various pigments in liquid carrier
Melt Flow Index	N/A (liquid form)
Density	1.10-1.50 g/cm ³
Moisture Content	≤ 0.5%
Dispersion Quality	Excellent (pre-dispersed liquid)
Particle/Pellet Size	N/A (liquid)

Application Guidelines

Recommended Loading	0.1-2.0% (precision dosing)
Processing Temperature	160-280°C
Compatible Polymers	Liquid carrier (polyol/PEG/specialty)

Processing Instructions

- Pre-dry pellets if moisture content exceeds 0.3% (except desiccant grades).
- Ensure uniform feeding by using appropriate dosing equipment.
- Avoid excessive processing temperatures beyond the recommended range.
- For optimal dispersion, use a screw speed that provides adequate shear without degrading pigments.
- Clean processing equipment thoroughly when changing colors to prevent contamination.

Packaging & Storage

Packaging	5 kg / 20 kg / 200 kg sealed containers
Shelf Life	12 months in original sealed containers
Storage Conditions	Store in cool, dry place. Keep containers sealed. Protect from freezing.

Regulatory Compliance

FDA and EU 10/2011 compliant grades available

Disclaimer: The information provided in this Technical Data Sheet is based on our current knowledge and typical production data. Actual values may vary by batch and specific formulation. Users should verify suitability for their specific application. MHK Color reserves the right to update specifications without prior notice. Contact our technical team for detailed test reports.

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