

MASTERWAX 300 Series

TECHNICAL INFORMATION

Chemical description: Micronized HDPE (High-Density Polyethylen), coated with micronized Polyethylene wax

Applications:

- Masterbatch – for pigments that are difficult to disperse
- Plastics processing

Benefits:

- Even color distribution
- Increase in color efficiency with lower dosing
- Less machine damage
- Shorter dispersion time
- Material savings
- Better storage stability
- UV protection
- Ideal for thin-walled & visible plastic parts
- Extremely large surface area
- Dosable & flowable
- Reduction of the number of extrusion processes

Properties:

- Extremely large surface area – dosable – flowable – without pigments
- 27 x larger surface area than HDPE granules

Technical data:

Colour:	White	
Delivery form:	Micronized powder	
Packaging:	Big bags, bags	

	Minimum	Maximum	Method
Particle size (D50):	< 300 µm		ISO 13320
MFR (190°C, 5.0 kg) (HDPE)*:	23 g/10 min		ISO 1133
Density (23 °C) (HDPE):	0,95 g/cm ³	0,98 g/cm ³	ISO 1183
Drop point (Wax)*:	104 °C	118 °C	ASTM D 3954
Density (23 °C) (Wax):	0,94 g/cm ³	0,96 g/cm ³	ISO 1183

* Part of certificate of analysis

MASTERWAX 305

Eco coated, 95% DEUREX HDPE Micro 300, 5% DEUREX E 0920 M

MASTERWAX 310

Spot coated, 90% DEUREX HDPE Micro 300, 10% DEUREX E 0920 M

MASTERWAX 325

Fully coated, 75% DEUREX HDPE Micro 300, 25% DEUREX E 0920 M

MASTERWAX 350

Double coated, 50% DEUREX HDPE Micro 300, 50% DEUREX E 0920 M

MASTERWAX TM

Tailor made, Select your preferred dose and your favourite DEUREX wax

DEUREX HDPE Micro 300

100% High-Density Polyethylen

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.