

POLYWHITE® 8100 ES

Product Description

POLYWHITE® 8100 ES is an economical white masterbatch for the colouring of polyolefins.

POLYWHITE® 8100 ES contains 60 % TiO₂ in polyethylene.

General

Material Status	• Commercial: Active
Availability	• Europe
Uses	• Masterbatch
Processing Method	• Blown Film • Cast Film • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)
Additive Content (Titanium dioxide)	60.0 %	60.0 %
Specific Gravity	1.73	1.73 g/cm ³
Bulk Density	62.4 lb/ft ³	1000 kg/m ³
Moisture Content	< 2000 ppm	< 2000 ppm
Heat Stability	536 °F	280 °C
Light Fastness	7	7
Weather Fastness	4	4

Usage

POLYWHITE® 8100 ES is especially suited for the colouring of general purpose films where a high hiding power at a low let down ratio is required. POLYWHITE® 8100 ES can also be used for the colouring of injection and blow moulding articles.

For higher quality films POLYWHITE® 8160, POLYWHITE® NG 8160 or POLYWHITE® NG 8600 H 1 (high gloss) are used (all products with 60 % TiO₂-content).

For injection and blow moulding applications we recommend an addition rate of 1 to 3 % POLYWHITE® 8100 ES, depending on the opacity required. For film applications a dosages up to 15 % is also possible.

Remark

This formulation does not contain diarylide pigments.

Regulatory

POLYWHITE® 8100 ES can be used in food-packaging according to:

- EEC (2002/72): approved
- EEC (94/62): approved

SML and detailed information available upon request.

Packaging & Storage

POLYWHITE® 8100 ES is packed in 25 kg polyethylene bags on shrink-wrapped pallets. The storage should not exceed 12 months for optimum performance.