

# POLYWHITE® 8160

## Product Description

POLYWHITE® 8160 is a white masterbatch with high heat stability for the colouring of polyolefins.

POLYWHITE® 8160 contains 60 % TiO<sub>2</sub> (Rutile - Type) in polyethylene.

## General

Material Status	• Commercial: Active
Availability	• Europe
Uses	• Masterbatch
Agency Ratings	• EU 2002/72/EC <sup>1</sup> • FDA 21 CFR 177.1520                      • FDA 21 CFR 177.1520(c) 2.1
Appearance	• White
Processing Method	• Blown Film                                      • Injection Molding • Cast Film                                        • Oriented Flat Film

Physical	Nominal Value (English)	Nominal Value (SI)
Additive Content (Titanium dioxide)	60.0 %	60.0 %
Specific Gravity	1.72	1.72 g/cm <sup>3</sup>
Bulk Density	62.4 lb/ft <sup>3</sup>	1000 kg/m <sup>3</sup>
Moisture Content	< 1500 ppm	< 1500 ppm
Heat Stability	572 °F	300 °C
Light Fastness	7 to 8	7 to 8
Weather Fastness	4 to 5	4 to 5

## Usage

POLYWHITE® 8160 is especially suited for the colouring of films where a high hiding power at a low let down ratio is required . POLYWHITE® 8160 can also be used for the colouring of injection and blow moulding applications. An economical alternative with 60 % TiO<sub>2</sub> is POLYWHITE® 8100 ES.

For injection and blow moulding applications we recommend an addition rate of 1 to 5 % POLYWHITE® 8160, depending on the opacity required. An addition rate up to 20 % for film applications is also possible.

## Regulatory

POLYWHITE® 8160 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® 8160 is packed in 25 kg polyethylene bags on shrink-wrapped pallets. The storage should not exceed 12 months for optimum performance.

## Notes

<sup>1</sup> Commission Directive 2002/72/EC and its successive amendments up to and including 2009/975/EC.