# POLYWHITE® 8977 CL

#### **Product Description**

POLYWHITE® 8977 CL is a white masterbatch with high heat stability for the colouring of polyolefins for outdoor applications.

#### POLYWHITE® 8977 CL contains 75 % special TiO2 (Rutile - Type) in polyethylene.

General			
Material Status	<ul> <li>Commercial: Active</li> </ul>		
Availability	Europe		
Uses	<ul> <li>Masterbatch</li> </ul>		
Processing Method	Blown Film	<ul> <li>Cast Film</li> </ul>	<ul> <li>Injection Molding</li> </ul>

Physical	Nominal Value (English)	Nominal Value (SI)
Additive Content (Titanium dioxide)	75.0 %	75.0 %
Specific Gravity	2.21	2.20 g/cm <sup>3</sup>
Bulk Density	74.9 lb/ft <sup>3</sup>	1200 kg/m³
Moisture Content	< 1500 ppm	< 1500 ppm
Heat Stability	572 °F	300 °C
Light Fastness	8	8
Weather Fastness	5	5

### Usage

POLYWHITE® 8977 CL is especially suited for the colouring of agricultural films where a high hiding power at a low let down ratio and additional dosage of UV-stabilizer (e.g. POLYBATCH UVS 210) is required . POLYWHITE® 8977 CL can also be used for the colouring of injection moulded articles that are used outdoors.

A lower concentrated alternative is POLYWHITE® NG 8270 W with 60 % special TiO2.

For injection and blow moulding applications we recommend an addition rate of 0,5 to 3 % POLYWHITE® 8977 CL, depending on the opacity required. Addition rates up to 20 % for agricultural film applications are also possible.

## Remark

This formulation does not contain diarylide pigments.

# Regulatory

POLYWHITE® 8977 CL 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® 8977 CL is packed in 25 kg polyethylene bags on shrink-wrapped pallets. The storage should not exceed 12 months for optimum performance.

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