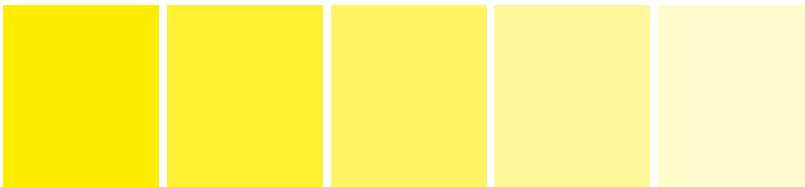


# OXYPERM YELLOW

Bismuth  
Vanadate



*We are changing  
the world around*

**Permedia**  
pigments & innovations

# OXYPERM PE3200

Color Index	Pigment Yellow 184 / 771740
CAS No.	14059-33-7 / 237-898-0
EINECS No.	237-898-0

## PRODUCT CHARACTERISTIC:

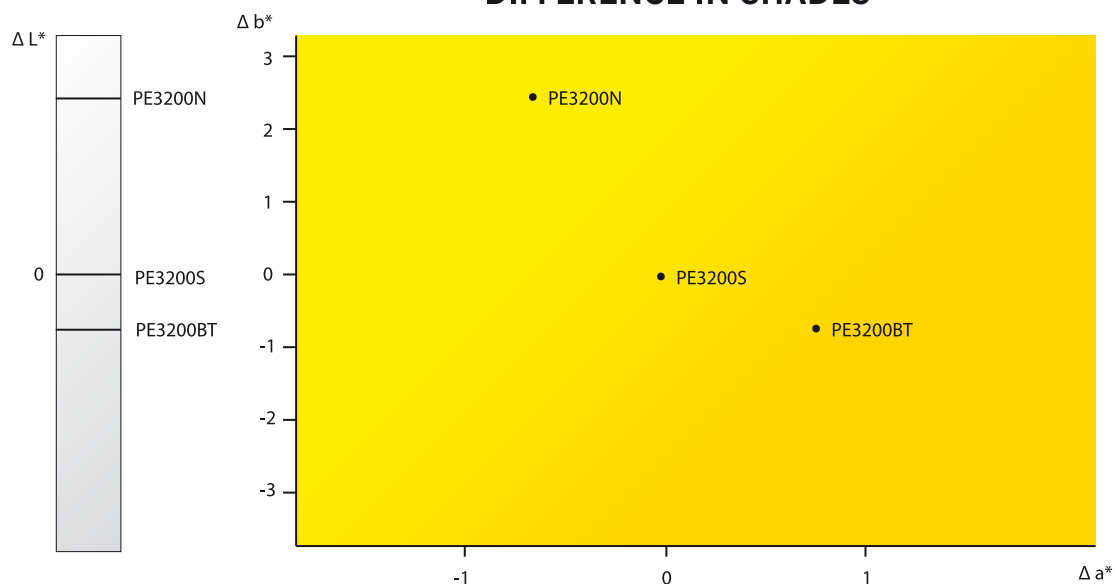
- Very intensive light yellow color
- Highly resistant to UV radiation and weather conditions
- Superior tinting strength
- Fine fastness to acids and alkali
- Highly durable dyeing
- Chemically inert
- It's color is as intensive as the color of organic pigments

## SPECIFICATIONS:

NAME	SYMBOL	TINTING STRENGTH % <sup>1)</sup>	SIEVE RESIDUE 45µm [%] <sup>2)</sup>	OIL ABSORPTION [g/100 g] <sup>3)</sup>	pH AQUEOUS SUSPENSION	VOLATILE SUBSTANCES IN 105°C [%] <sup>4)</sup>	SUBSTANCES SOLUBLE IN WATER [%] <sup>5)</sup>	DENSITY	HEAT RESISTANCE <sup>6)</sup>
<b>OXYPERM YELLOW</b>	PE3200S PE3200BT PE3200N	100 ± 5	< 0,2%	25 ± 5	7 - 9	< 0,5%	< 0,5%	6-7 g/cm <sup>3</sup>	<200°C

1) Internal method I/TB - L/13/04 – reduces shade 1:4 TiO<sub>2</sub> in PP 2) Internal method PN-93/C-04401/04 3) Internal method PN-EN-ISO 787-5  
4) Internal method PN-EN-ISO 787-2 5) Internal method PN-EN-ISO 787-3 6) Internal method PE-EN 12877 - 2 - test made in plastic PP

## DIFFERENCE IN SHADES



# COATINGS AND BUILDING MATERIALS

FOR THESE APPLICATIONS ON THE BASE OF RESEARCHES AND EXPERIENCES FOLLOWING PRODUCT ARE SUGGESTED:

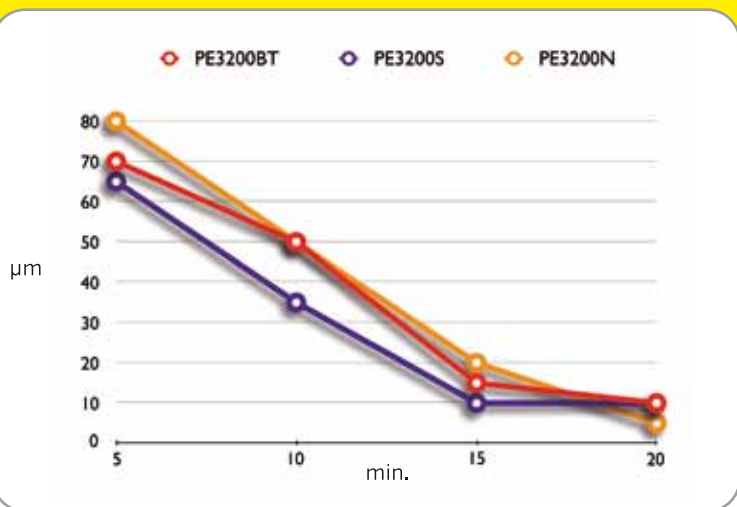
## PE3200S PE3200BT PE3200N

Due to excellent characteristic parameters and specific bright yellow color, Bismuth Vanadate is used in applications where high performance is required as a dyestuff for paints, pigment pastes, varnishes, plasters, mortars, tile grouts.

**Apply for:**

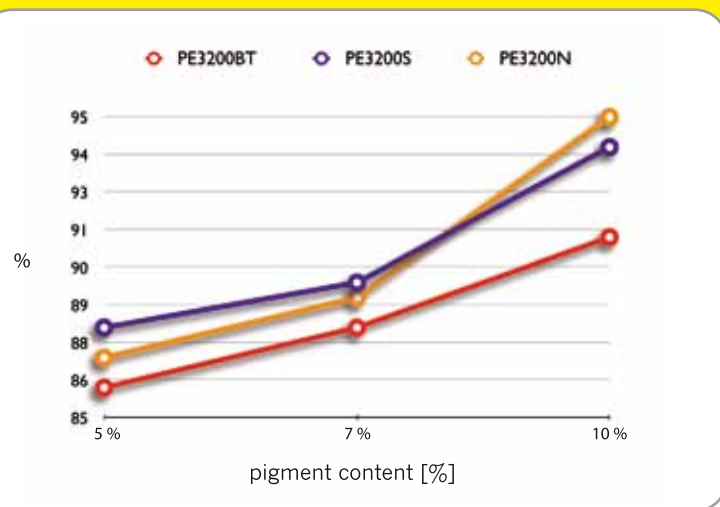
- Water base system
- Solvent base system

### DISPERSIBILITY \*



\* Dispersibility made according to internal Permedia's method (pigment content 55%, 8% dispersant, test run on high speed dispenser, at linear speed 10,5 m/s)

### OPACITY \*



\* Transparent lack - 300 µm layer

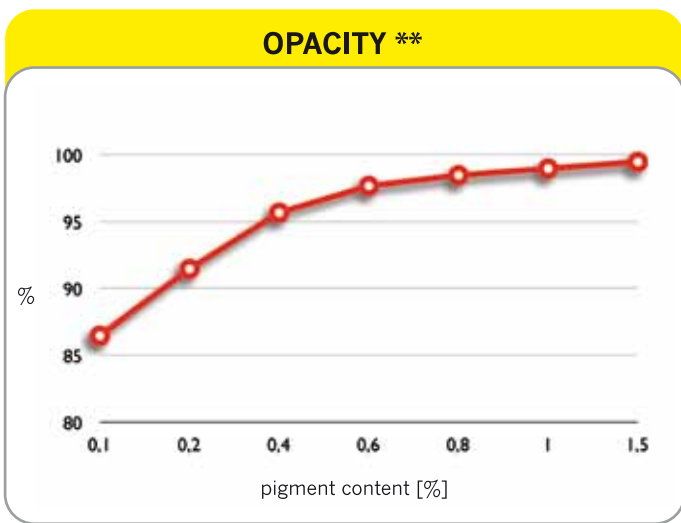


# PLASTICS AND RUBBER

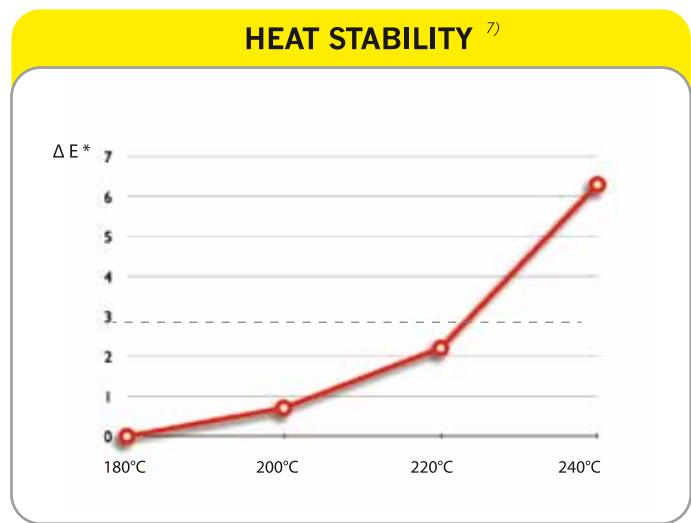
FOR PLASTICS AND RUBBER **PE3201** IS SUGGESTED.

PE3201 can be combine with various organic pigments for receiving different glossy yellow color shades from greenish to reddish.

**Applications:** LLDPE, LDPE, MDPE, PVC, RUBBER, PP (<220°C)



\*\* PP - 1 mm thickness



## SPECIFICATIONS:

NAME	SYMBOL	TINTING STRENGTH % <sup>1)</sup>	SIEVE RESIDUE 45µm [%] <sup>2)</sup>	OIL ABSORPTION [g/100 g] <sup>3)</sup>	pH AQUEOUS SUSPENSION	VOLATILE SUBSTANCES IN 105°C [%] <sup>4)</sup>	SUBSTANCES SOLUBLE IN WATER [%] <sup>5)</sup>	DENSITY	HEAT RESISTANCE <sup>6)</sup>
<b>OXYPERM YELLOW</b>	PE3201	100 ± 5	< 0,2%	45 ± 5	6-8	< 0,5%	< 0,5%	4-5 g/cm <sup>3</sup>	<220°C

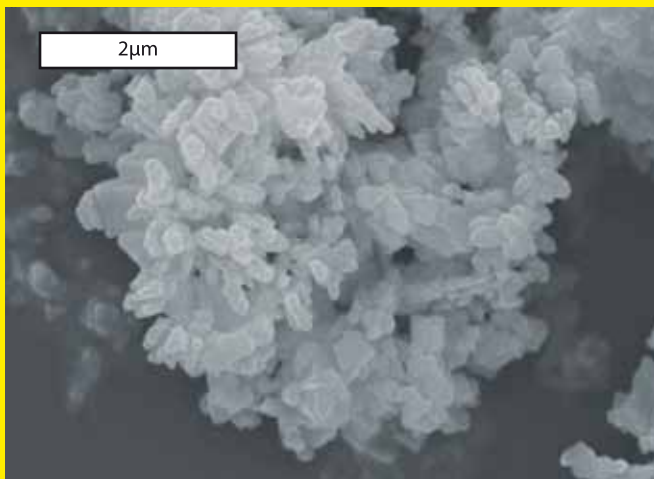
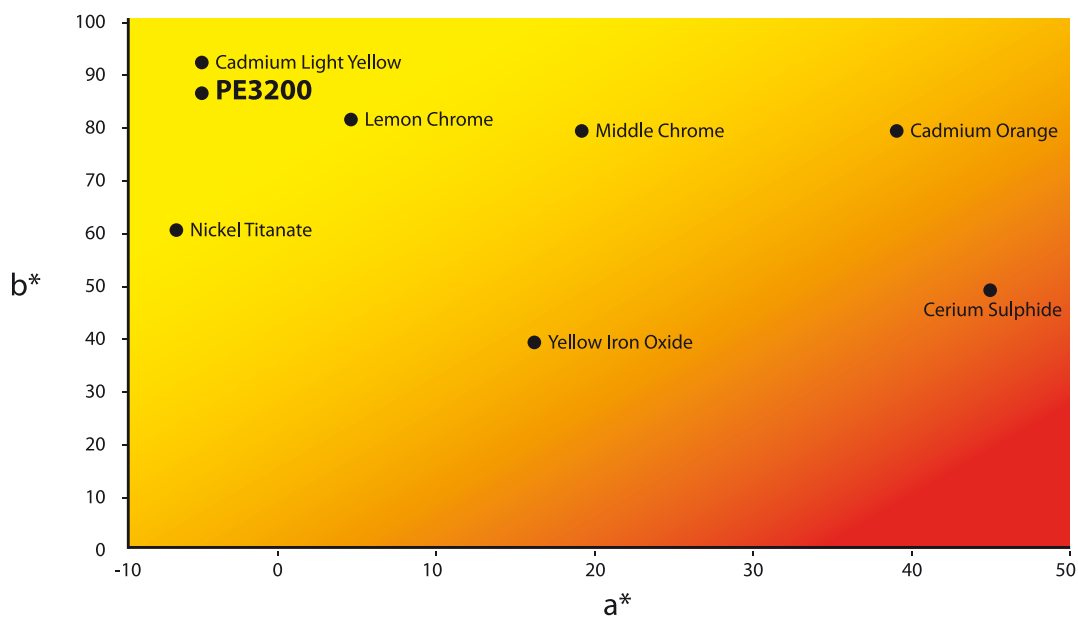
1) Internal method I/TB-L/13/04 – reduces shade 1:4 TiO2 in PP, 2) Internal method PN-93/C-04401/04, 3) Internal method PN-EN-ISO 787-5

4) Internal method PN-EN-ISO 787-2, 5) Internal method PN-EN - ISO 787-3, 6) Internal method PE-EN 12877 - 2 - test made in plastic PP, 7) Internal method PN-EN 12877-2



OXYPERM PE3200 it is Permedia's Bismuth Vanadate ( $\text{BiVO}_4$ ) inorganic lead free yellow pigment which can be used as an alternative to chrome and cadmium pigments.

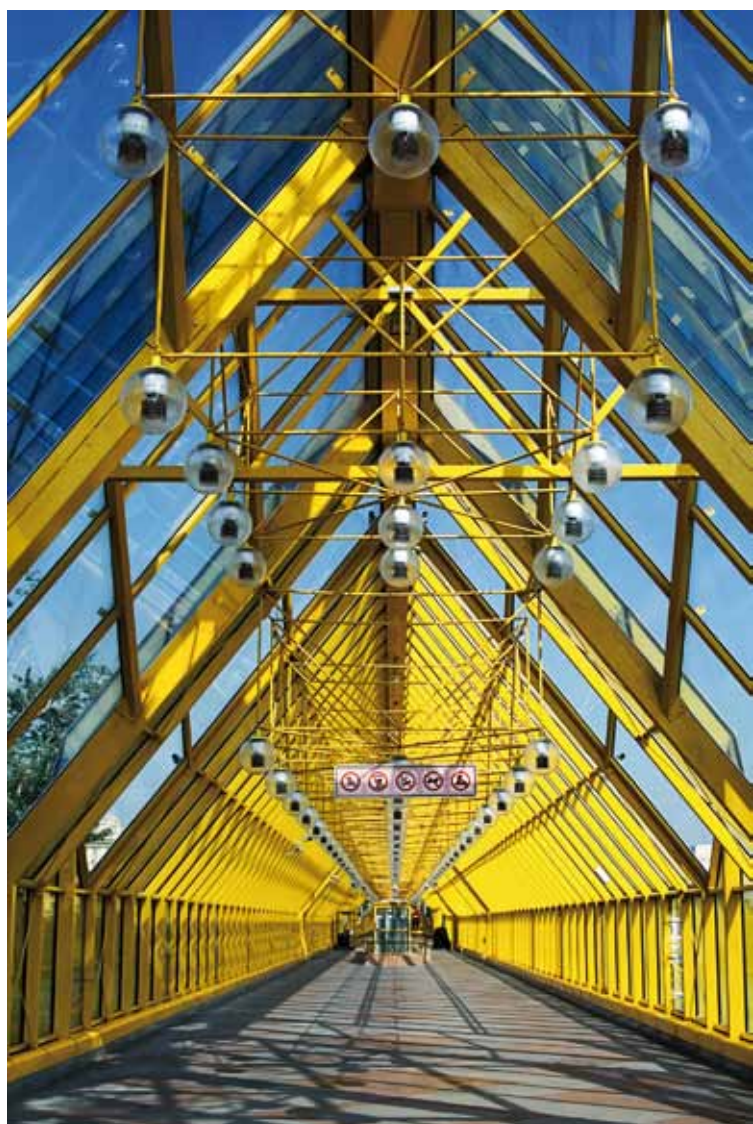
PE3200 can be combine with various organic pigments for receiving different glossy yellow color shades from greenish to reddish.



#### Unique chemical process

developed and used by our company allows us to obtain **the pigment with the best parameters** according to international standards.





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Our product specific and application information are based upon our current knowledge. The processing company must establish the suitability of individual products itself. Users are responsible for compliance with the law and to obtain relevant documents and certificates. The manufacturer reserves the right to technical modifications after prior notification of the recipient.