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Chemicals Holding GmbH

# Paliotol® Yellow K 1700

## General properties

Chemical character	Azo
Colour Index Part I	P. Y. 183 (Na/Ca)
Colour Index Part II	18792 (mod.)
CAS Number	65212-77-3, 65212-76-2
Physical form	Powder
Color shade	Yellow

## Coloristic properties

Hue angle in PVC 1/3 SD	85
Chroma in PVC 1/3 SD	73.6
Red. ratio in PVC 1/3 SD	6
Hue angle in PVC 1/9 SD	88.9
Chroma in PVC 1/9 SD	56.7
Red. ratio in PVC 1/9 SD	18.6
Hue angle in PE-LD 1/3 SD	85.2
Chroma in PE-LD 1/3 SD	72
Red. ratio PE-LD 1/3 SD	5.6
Hue angle in PE-LD 1/9 SD	88.9
Chroma in PE-LD 1/9 SD	56.3
Red. ratio in PE-LD 1/9 SD	17.2

Ease of dispersion < 10

## Physical properties

Density	1.7 g/cm <sup>3</sup>
Bulk density	0.1 g/cm <sup>3</sup>
Index of pH	6–7
Conductivity	250–400 µS/cm
Specific surface	38 m <sup>2</sup> /g

## Fastness properties

Heat stability	280 °C
Light fastness	7
Weather fastness	see diagram
Migration fastness	5

Infl. on warping of PE-HD little

## Fastness to chemicals

HCl conc.	> 6 months
HCl 10 %	> 6 months
H <sub>2</sub> SO <sub>4</sub> conc.	> 6 months
H <sub>2</sub> SO <sub>4</sub> 10 %	> 6 months
HNO <sub>3</sub> 10 %	> 6 months
NaOH conc.	> 6 months
Na <sub>2</sub> CO <sub>3</sub> sat.	> 6 months

Criteria for the fastness to chemicals was a possible color change of the colored plastic material during the storage in the test medium.

<b>Recommendations for applications</b>	PVC-p	suitable
	PVC-u	suitable
	PUR	suitable
	LD-PE	suitable
	HD-PE	suitable
	PP	suitable
	PS	suitable
	SB	suitable
	SAN	suitable
	ABS/ASA	suitable
	PMMA	not suitable
	PC	UCC
	PA	not suitable
	PETP	UCC
	CA/CAB	suitable
	UP	suitable

UCC: Under certain conditions

### Restrictions for usage

Sensitive to zinc salts

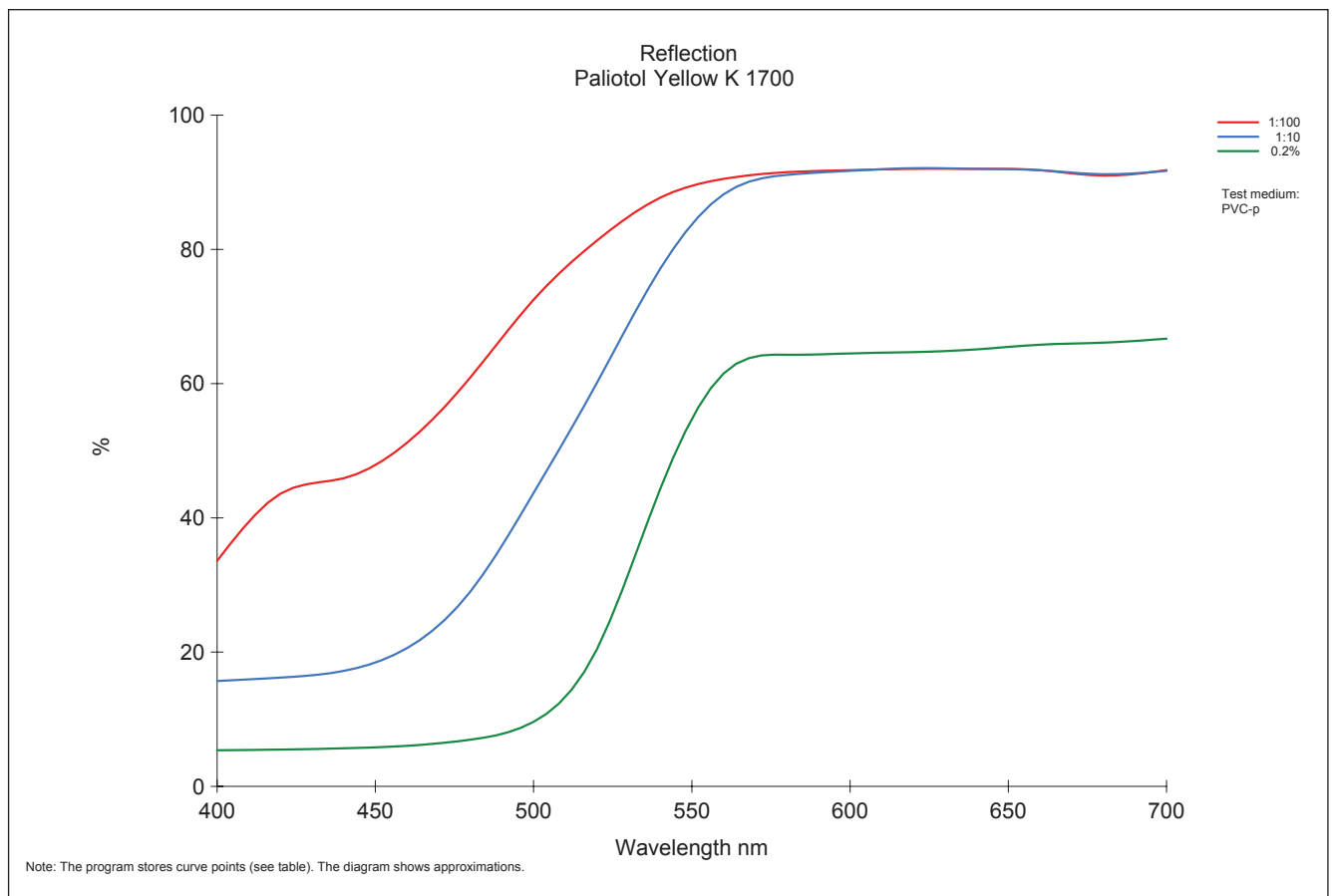
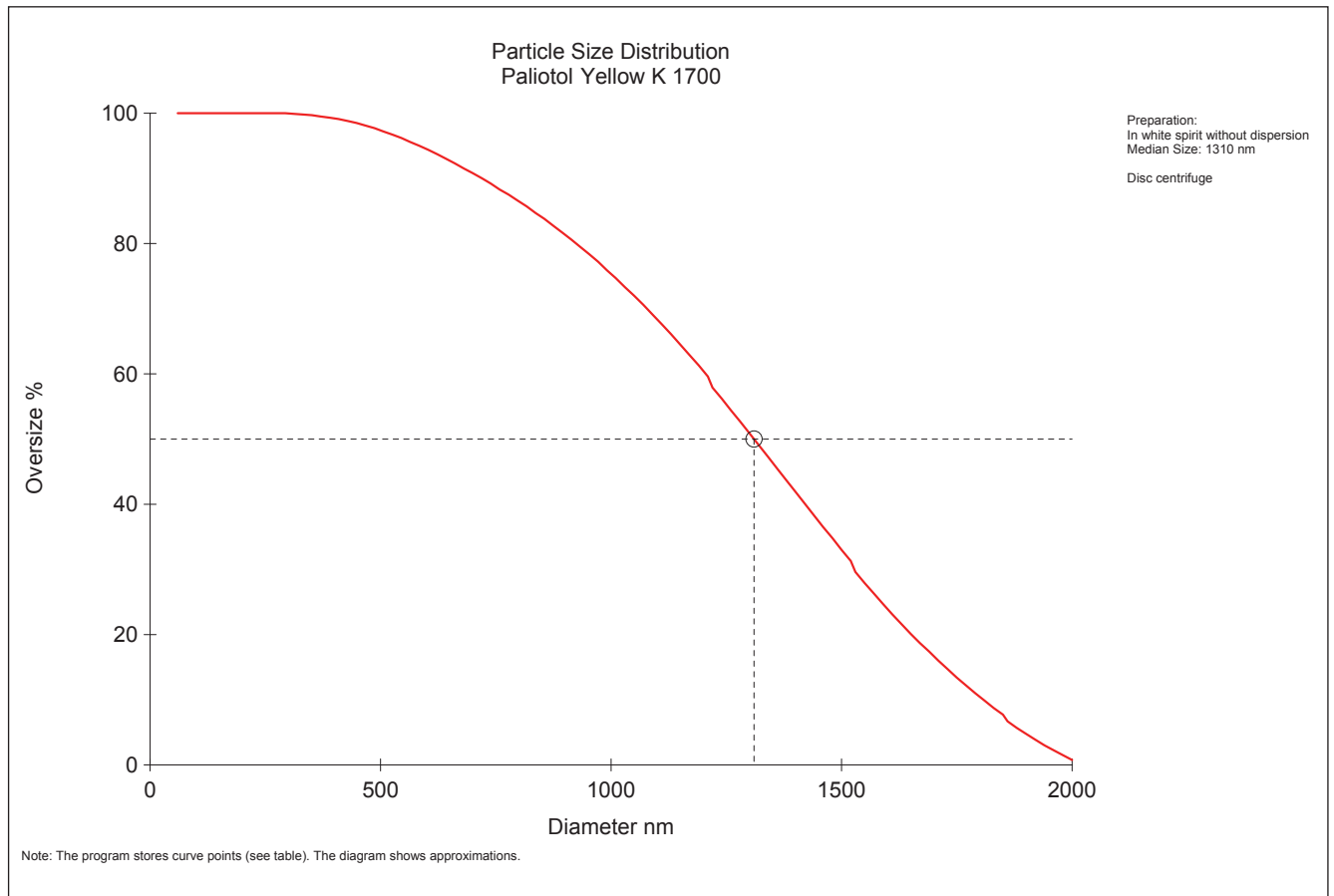
### Preparations

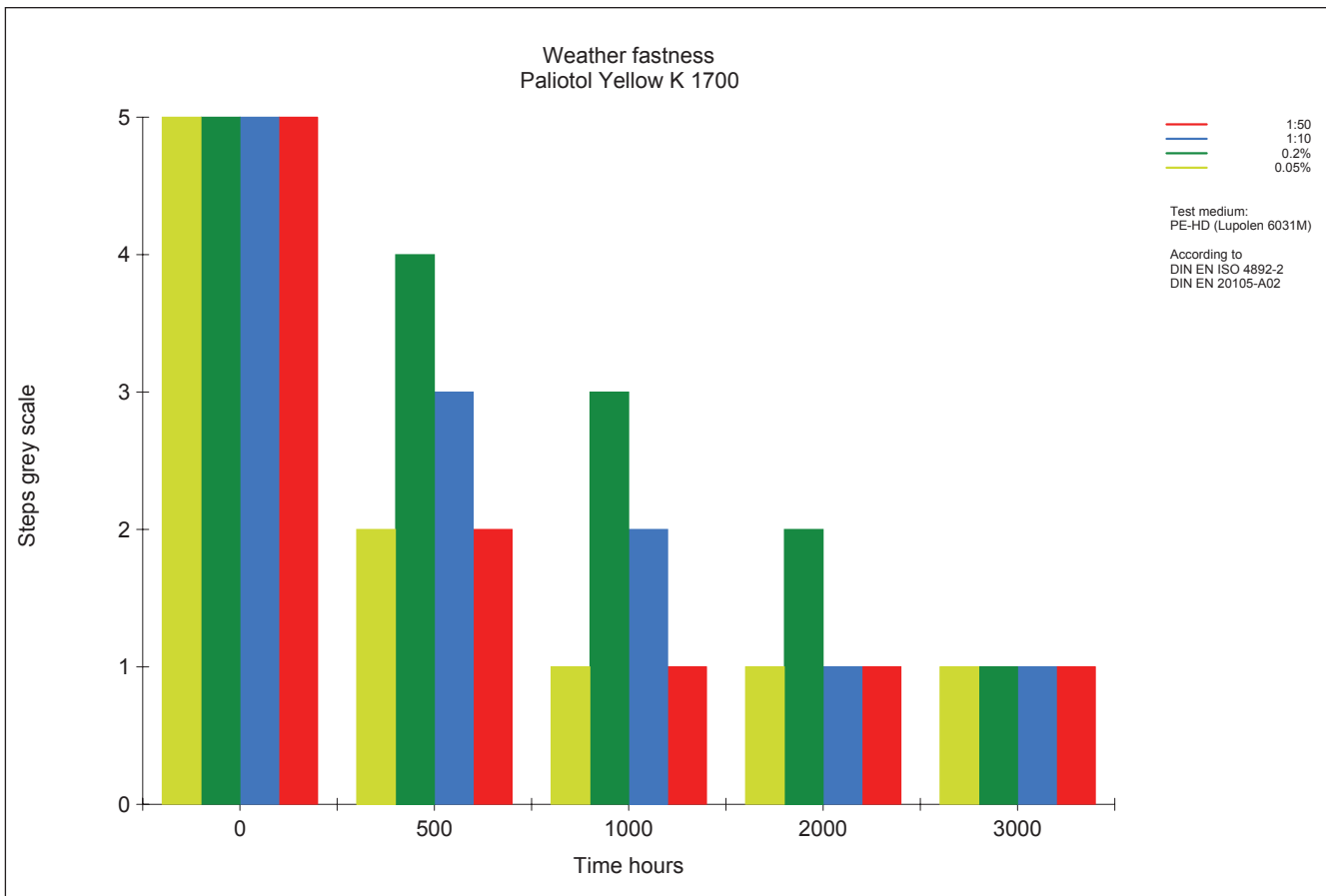
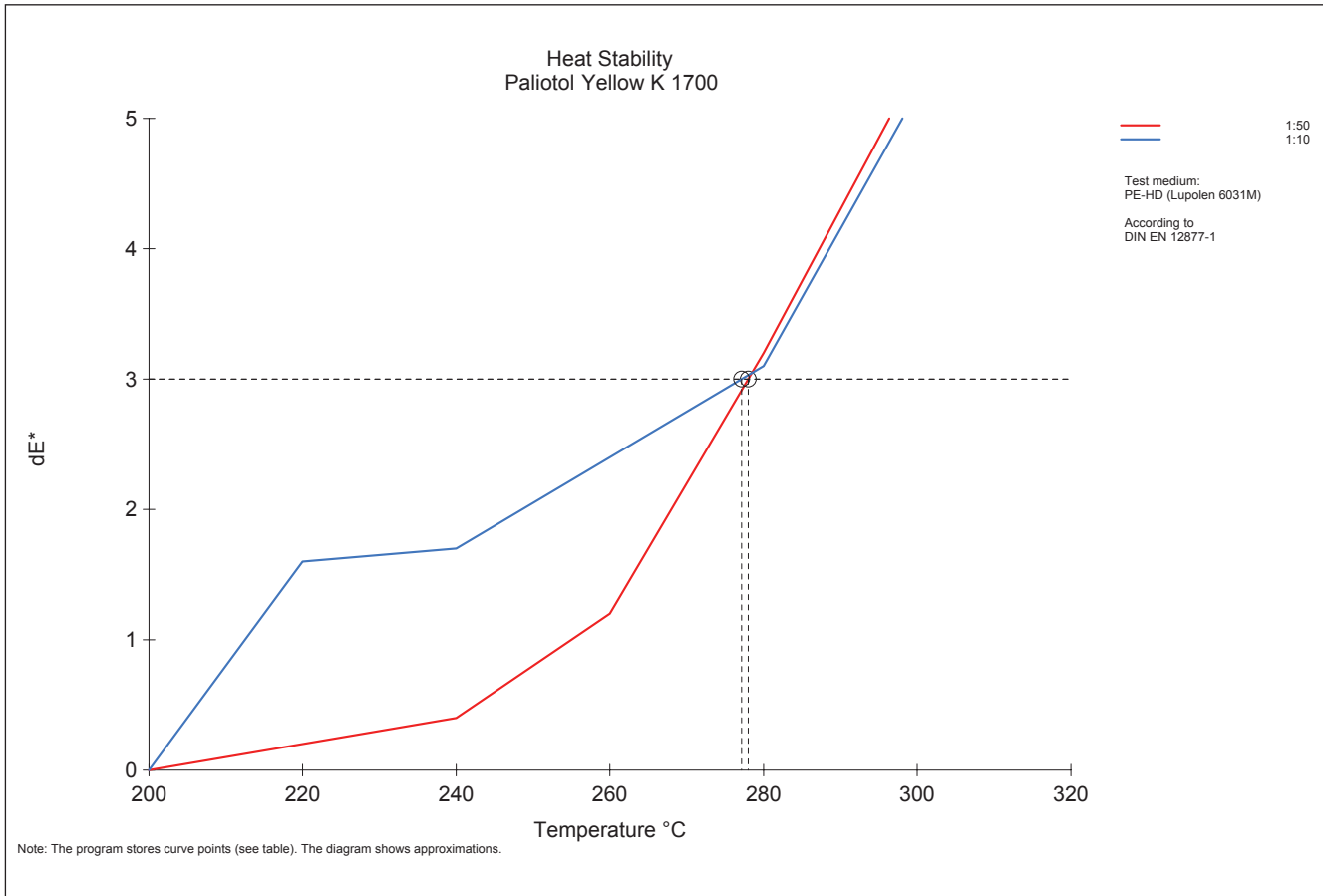
Product	Supply form	Color strength	Content
Eupolen® PE Yellow 17-0001	powder	P.Y. 183	50 %

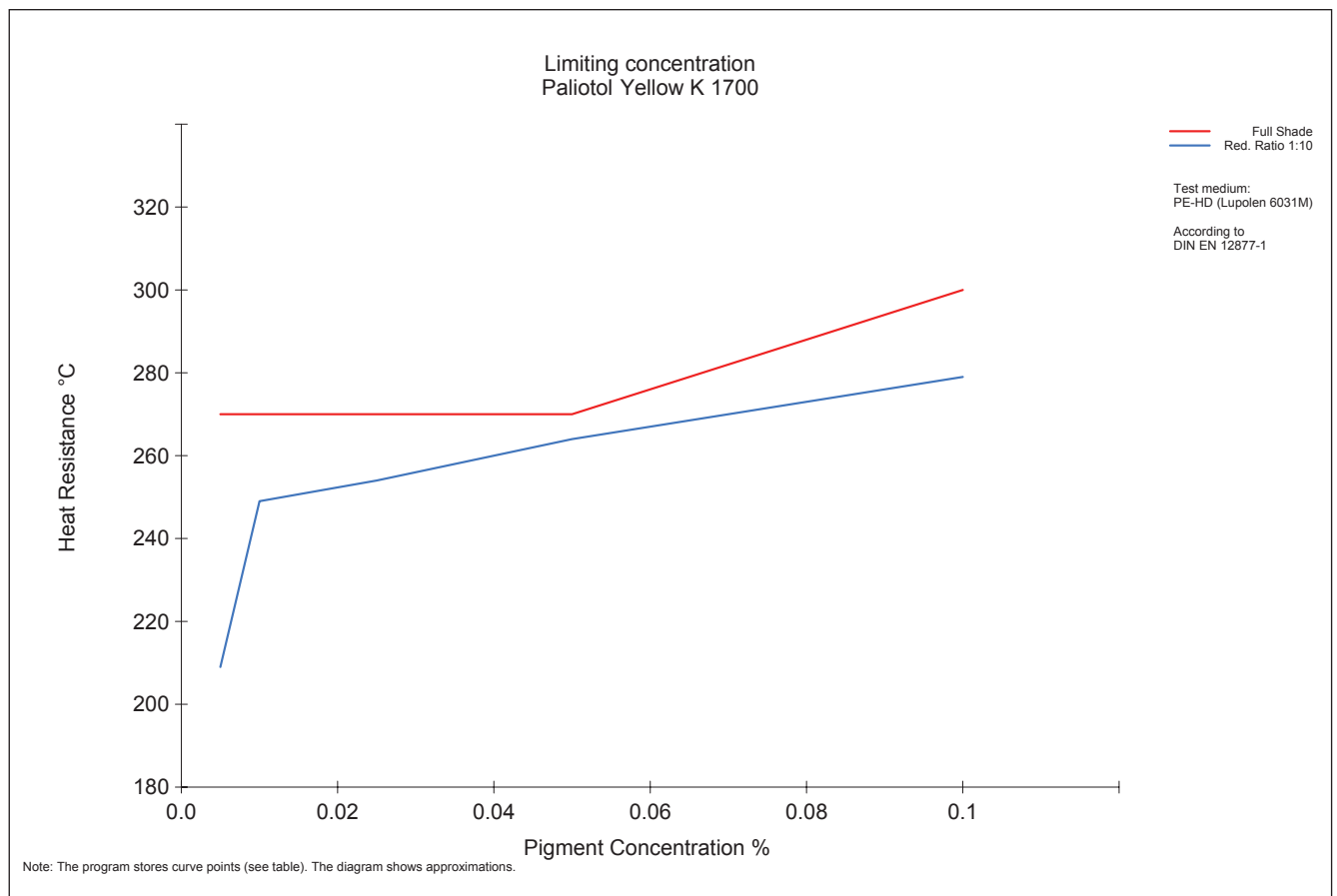
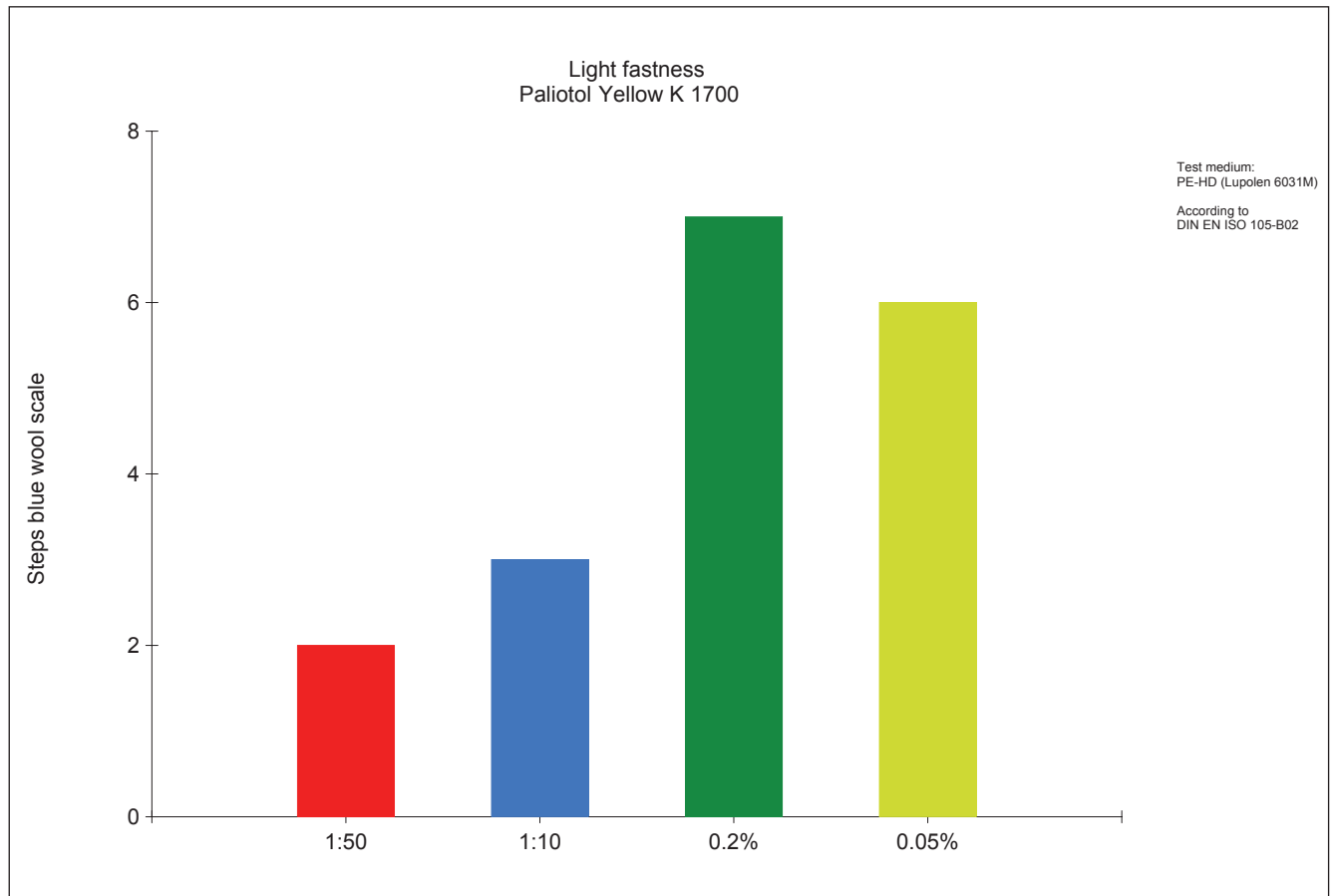
Depending on the suitability of the pigment, single pigment dispersions in polymers like PE, PP, PA, PVC etc. are available upon request.  
For information please visit [www.basf.com/pigment](http://www.basf.com/pigment) in the internet.



Microscopy – Paliotol Yellow K 1700







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November 2010