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Chemicals Holding GmbH

Paliotol® Yellow K 0961 HD

General properties

Chemical character	Chinophthalone
Colour Index Part I	P. Y. 138
Colour Index Part II	56300
CAS Number	30125-47-4
Physical form	Powder
Color shade	Yellow

Coloristic properties

Hue angle in PVC 1/3 SD	96.7
Chroma in PVC 1/3 SD	79
Red. ratio in PVC 1/3 SD	5.2
Hue angle in PVC 1/9 SD	101
Chroma in PVC 1/9 SD	57.4
Red. ratio in PVC 1/9 SD	20.2
Hue angle in PE-LD 1/3 SD	96.3
Chroma in PE-LD 1/3 SD	78.7
Red. ratio PE-LD 1/3 SD	5.5
Hue angle in PE-LD 1/9 SD	100
Chroma in PE-LD 1/9 SD	57
Red. ratio in PE-LD 1/9 SD	20.8
Ease of dispersion	< 10

Physical properties

Density	1.8 g/cm ³
Bulk density	0.4 g/cm ³
Index of pH	3–5
Conductivity	> 50 µS/cm
Specific surface	28 m ² /g

Fastness properties

Heat stability	270 °C
Light fastness	8
Weather fastness	see diagram
Migration fastness	4–5

Infl. on warping of PE-HD distinct

Fastness to chemicals

HCl conc.	> 6 months
HCl 10 %	> 6 months
H ₂ SO ₄ conc.	5 months
H ₂ SO ₄ 10 %	> 6 months
HNO ₃ 10 %	> 6 months
NaOH conc.	> 6 months
Na ₂ CO ₃ 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.

Recommendations for applications

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

UCC: Under certain conditions

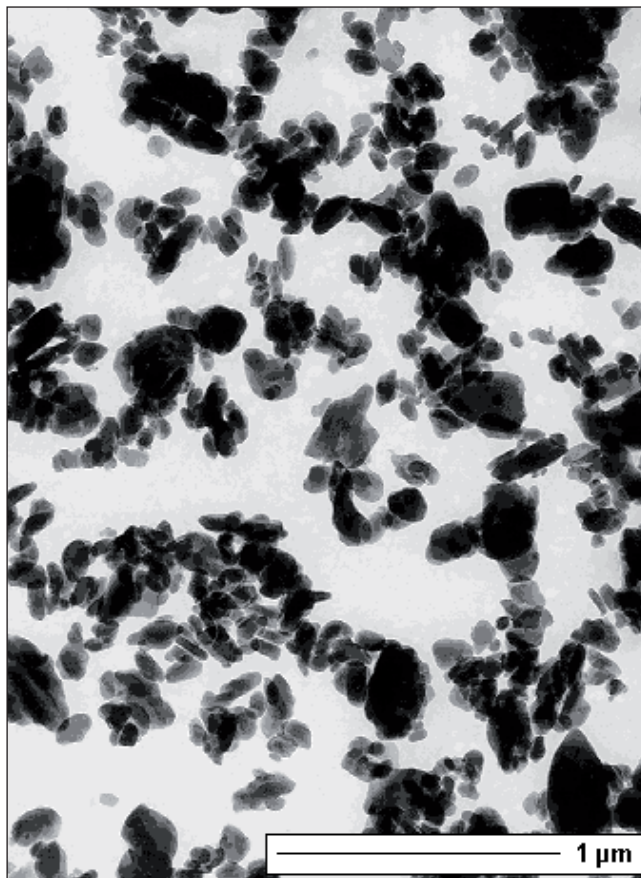
Restrictions for usage

Sensitive to alkalis at high temperature

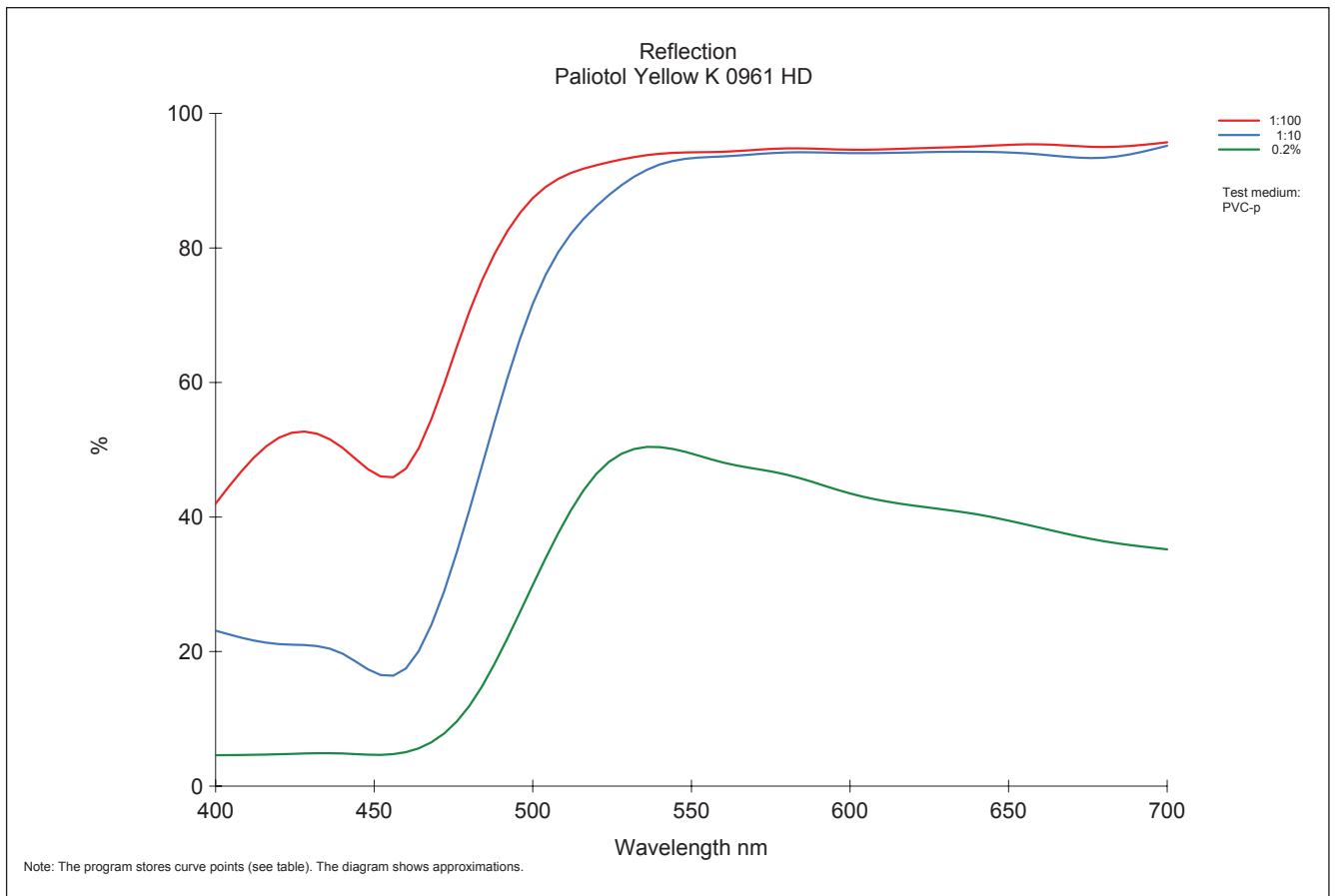
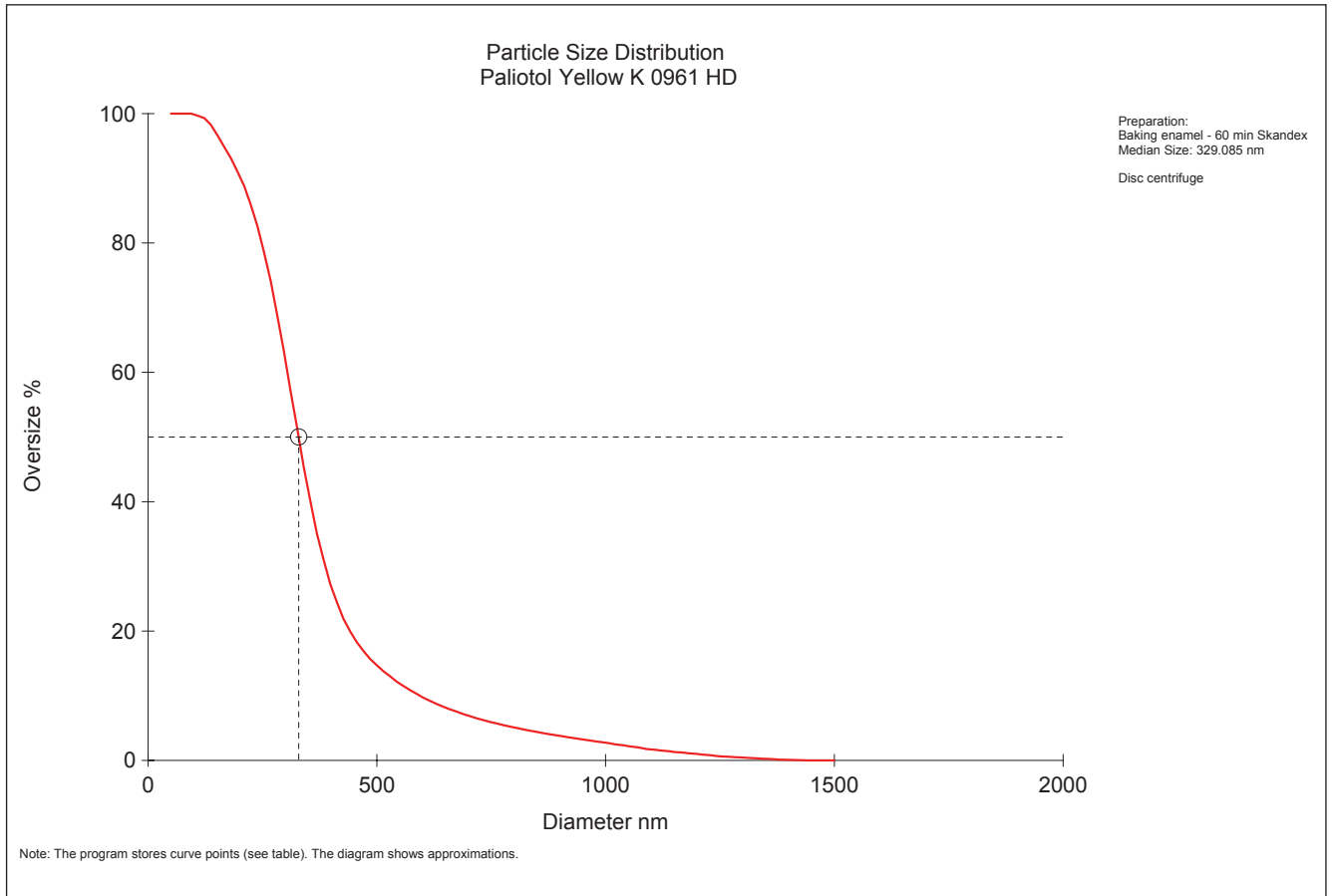
Preparations

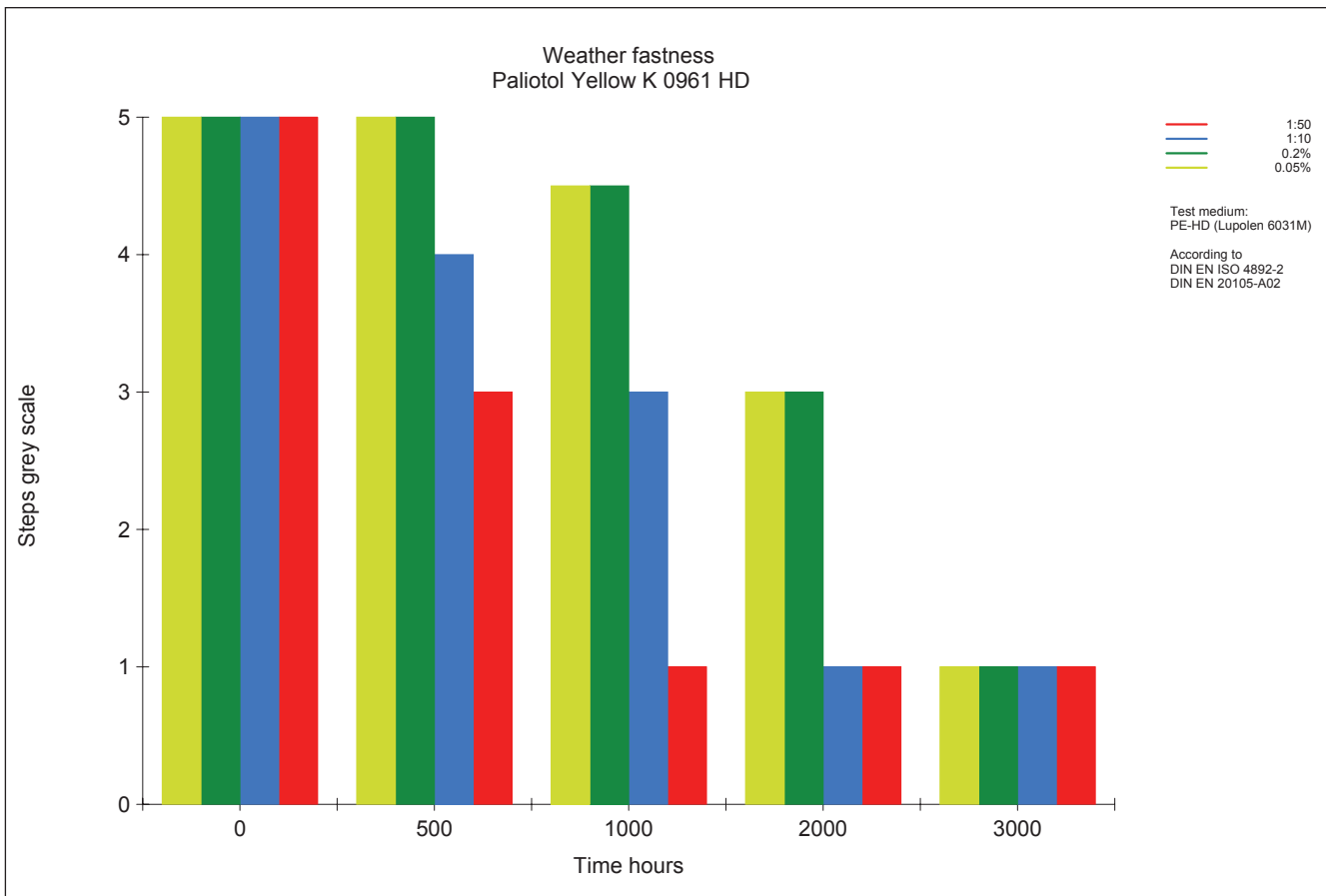
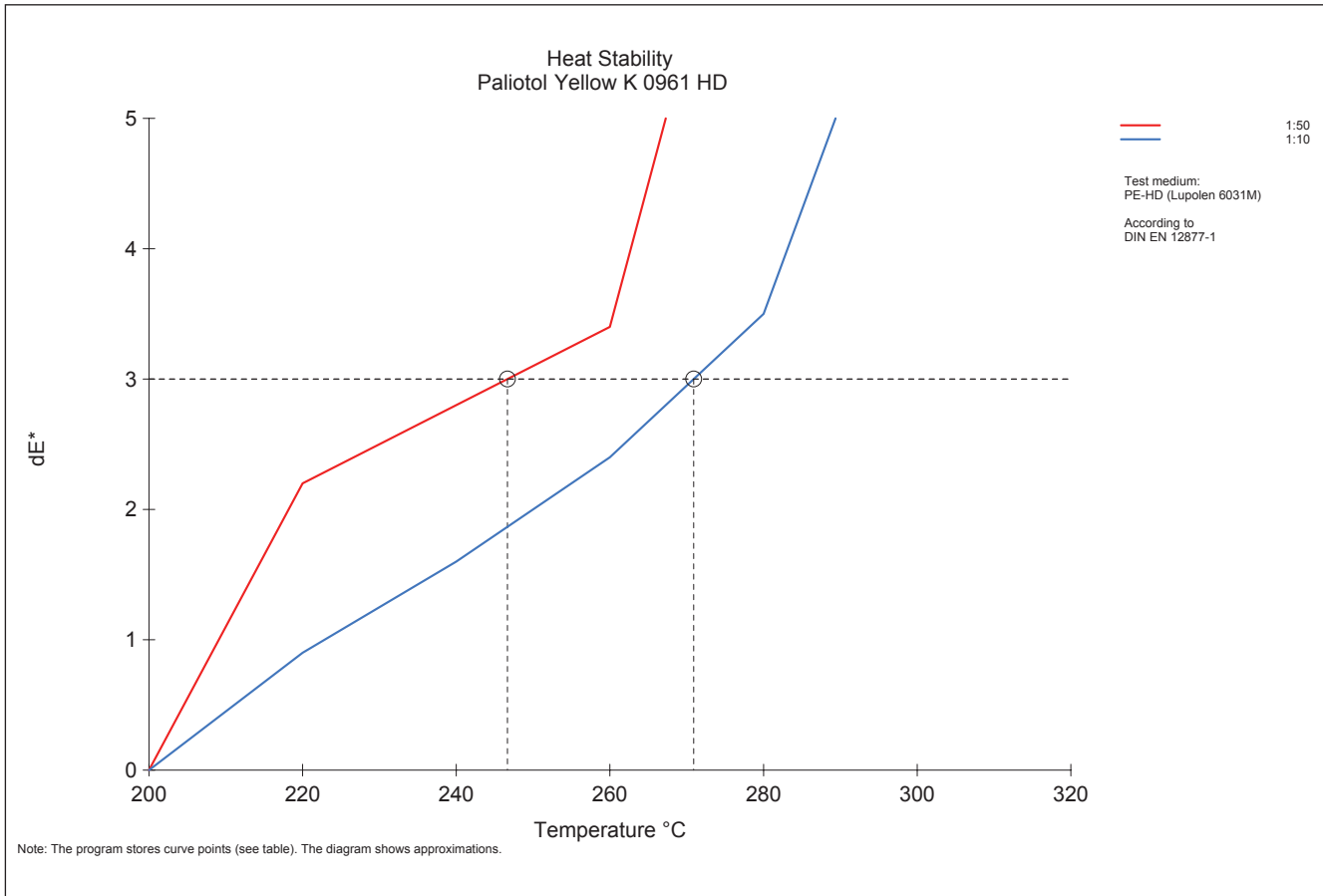
Product	Supply form	Color strength	Content
Eupolen® PE Yellow 09-6101	powder	P.Y. 138	50 %
Eupolen PE Yellow 09-6104	fine pellets	P.Y. 138	50 %
Eupolen PP Yellow 09-6105	pellets	P.Y. 138	40 %
Euvinyl® C Yellow 09-6102	coarse powder	P.Y. 138	50 %

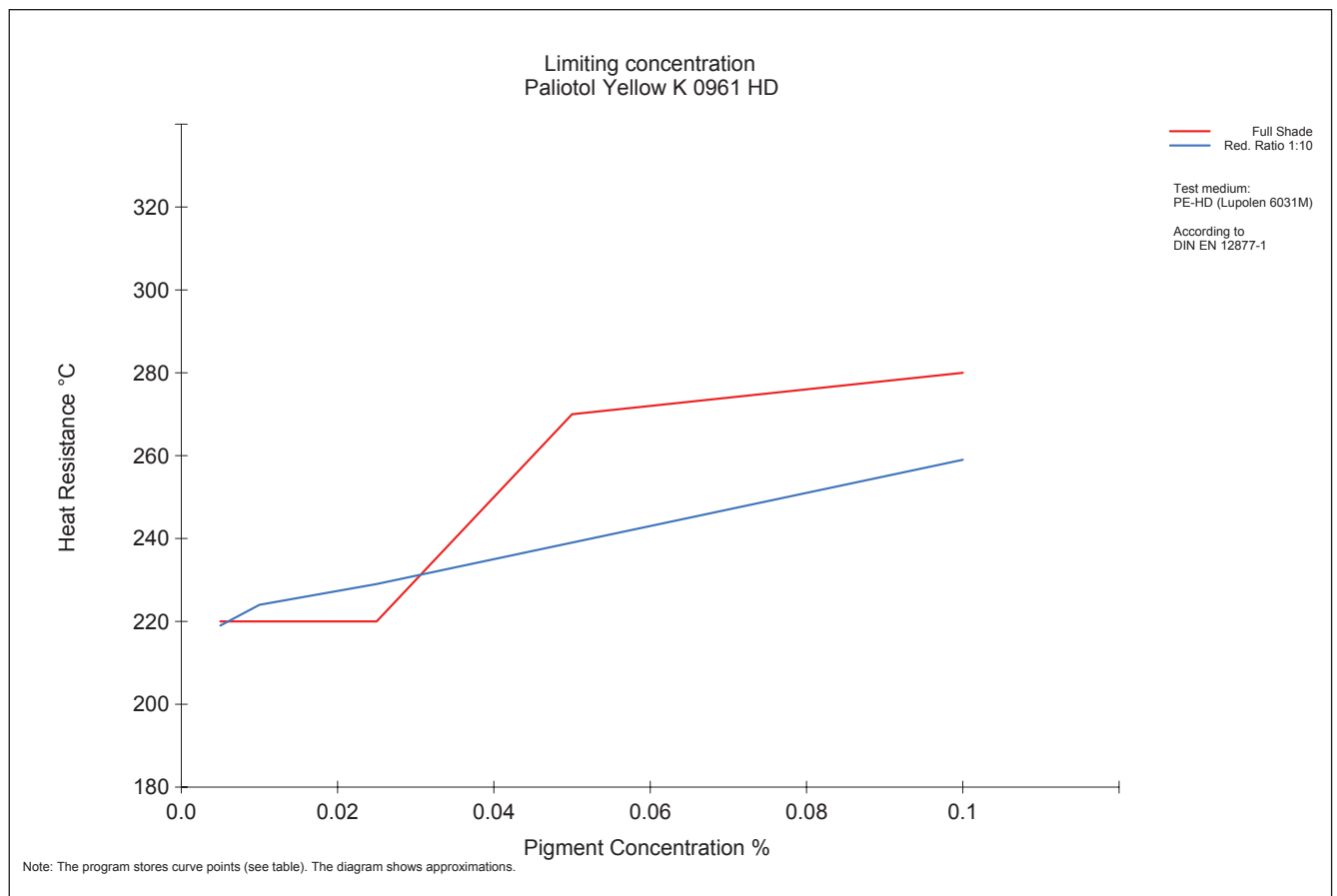
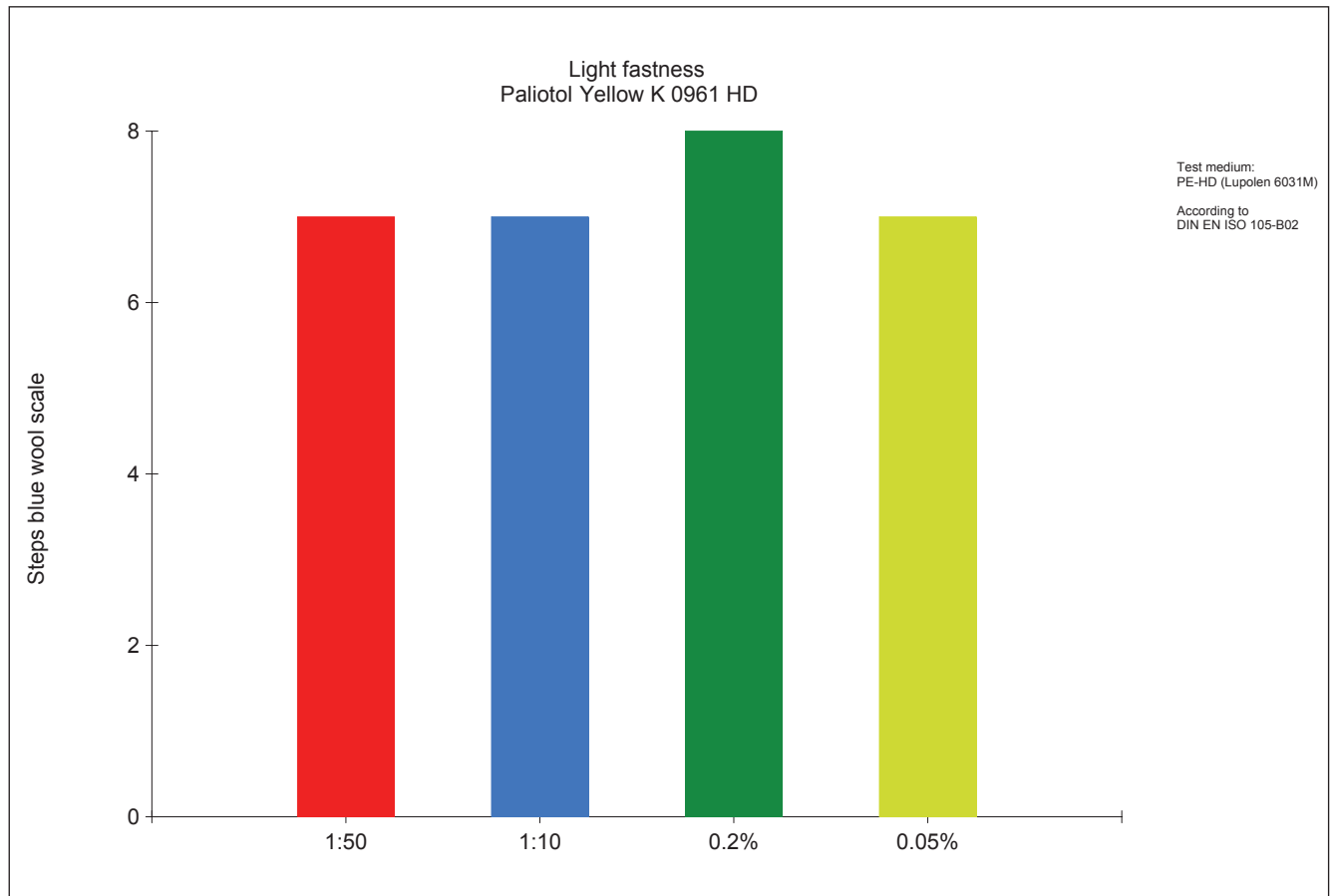
Depending on the suitability of the pigment, single pigment dispersions in polymers like PE, PP, PA, PVC etc. are available upon request.
For information please visit www.basf.com/pigment in the internet.



Microscopy – Paliotol Yellow K 0961 HD







Note

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