

® = registered Trademark of BASF SE

Heliogen® Green K 8730

| | | | |
|--------------------------------------|------------------------------|-------------------------------|-----------------------|
| General properties | Chemical character | Cu-phthalocyanine halogenated | |
| | Colour Index Part I | P. G. 7 | |
| | Colour Index Part II | 74260 | |
| | CAS Number | 1328-53-6 | |
| | Physical form | Powder | |
| | Color shade | Green | |
| Coloristic properties | Hue angle in PVC 1/3 SD | 180 | |
| | Chroma in PVC 1/3 SD | 56.4 | |
| | Red. ratio in PVC 1/3 SD | 5.6 | |
| | Hue angle in PVC 1/9 SD | 182 | |
| | Chroma in PVC 1/9 SD | 48.5 | |
| | Red. ratio in PVC 1/9 SD | 13.5 | |
| | Hue angle in PE-LD 1/3 SD | 177 | |
| | Chroma in PE-LD 1/3 SD | 57 | |
| | Red. ratio PE-LD 1/3 SD | 4.54 | |
| | Hue angle in PE-LD 1/9 SD | 179 | |
| | Chroma in PE-LD 1/9 SD | 48 | |
| | Red. ratio in PE-LD 1/9 SD | 13.5 | |
| | Ease of dispersion | < 10 | |
| | Physical properties | Density | 2.1 g/cm ³ |
| | | Bulk density | 0.3 g/cm ³ |
| Index of pH | | 5–8 | |
| Conductivity | | 50–200 µS/cm | |
| Specific surface | | 61 m ² /g | |
| Fastness properties | | Heat stability | 300 °C |
| | Light fastness | 8 | |
| | Weather fastness | see diagram | |
| | Migration fastness | 5 | |
| | Infl. on warping of PE-HD | distinct | |
| | Fastness to chemicals | HCl conc. | > 6 months |
| HCl 10 % | | > 6 months | |
| H ₂ SO ₄ conc. | | > 6 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.

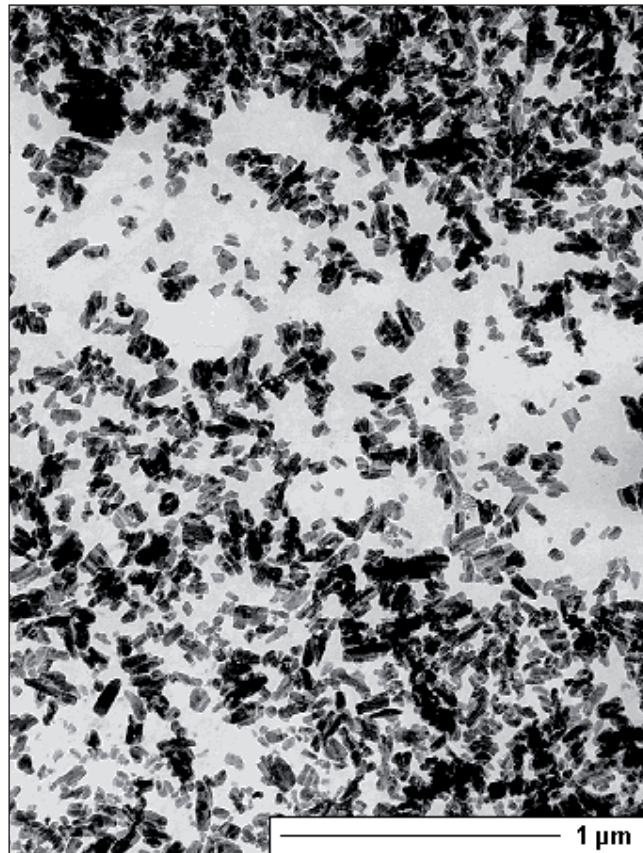
| | | |
|---|---------|----------|
| Recommendations for applications | PVC-p | suitable |
| | PVC-u | suitable |
| | PUR | suitable |
| | LD-PE | suitable |
| | HD-PE | suitable |
| | PP | suitable |
| | PS | suitable |
| | SB | suitable |
| | SAN | suitable |
| | ABS/ASA | suitable |
| | PMMA | suitable |
| | PC | suitable |
| | PA | UCC |
| | PETP | UCC |
| | CA/CAB | suitable |
| | UP | suitable |

UCC: Under certain conditions

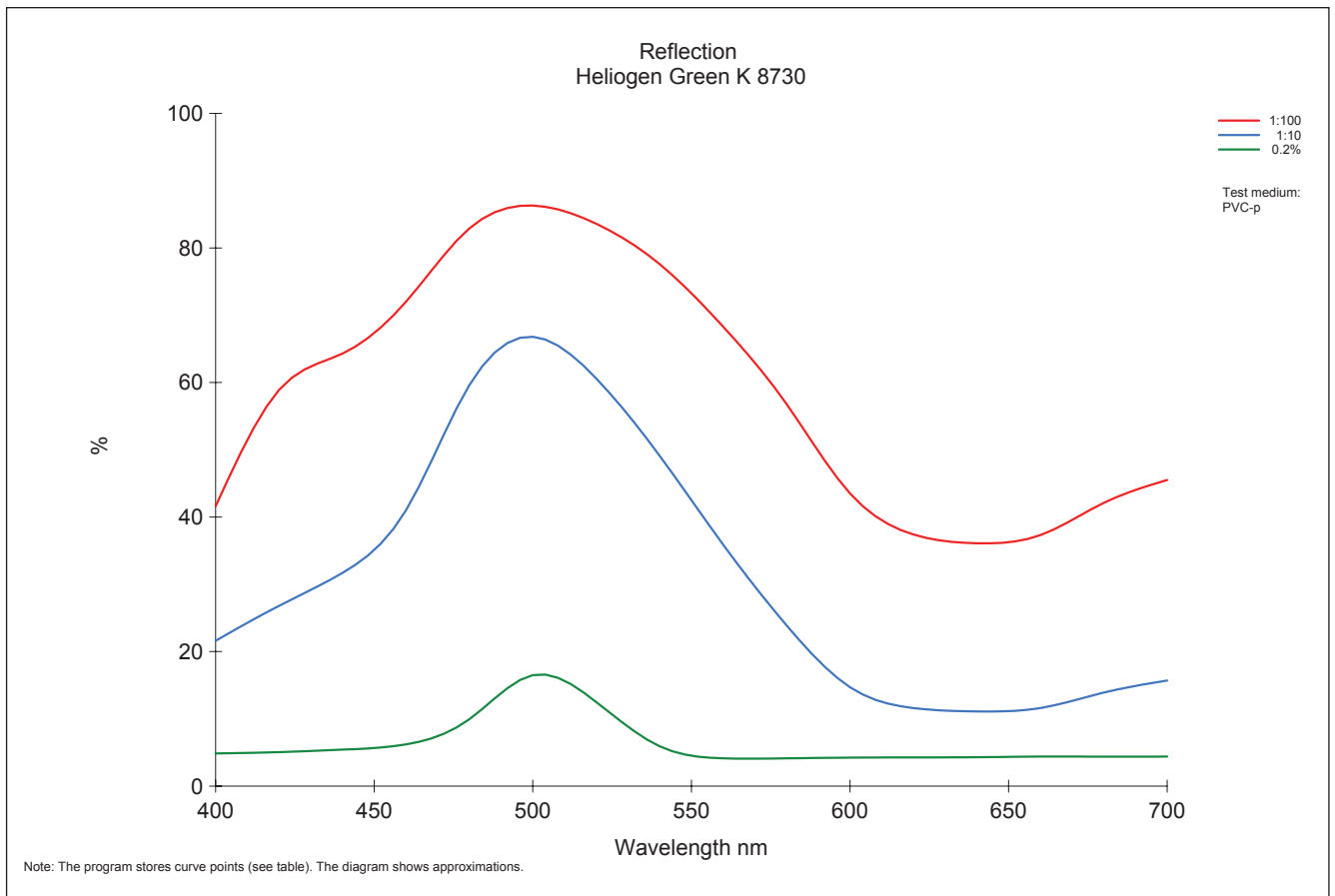
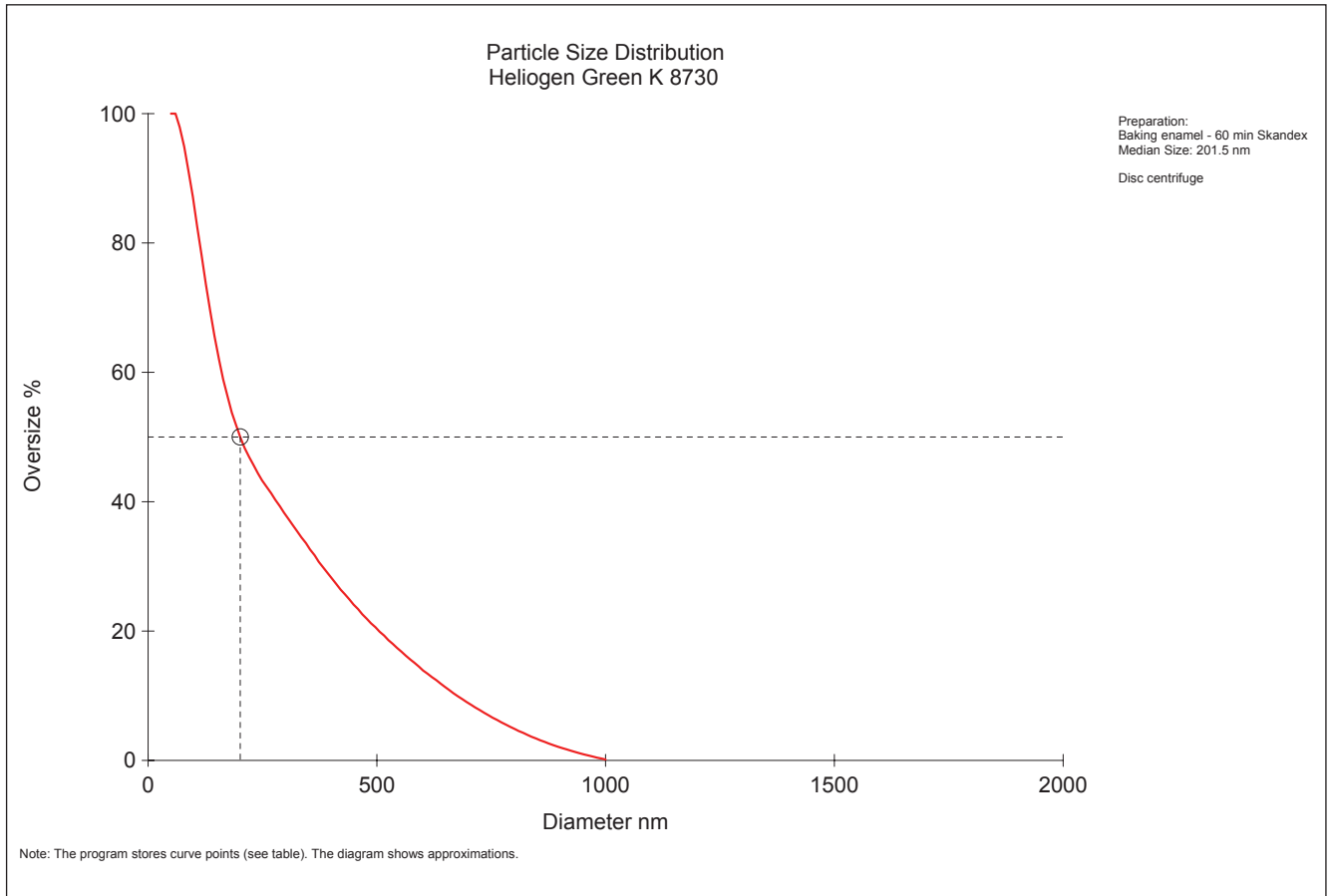
Preparations

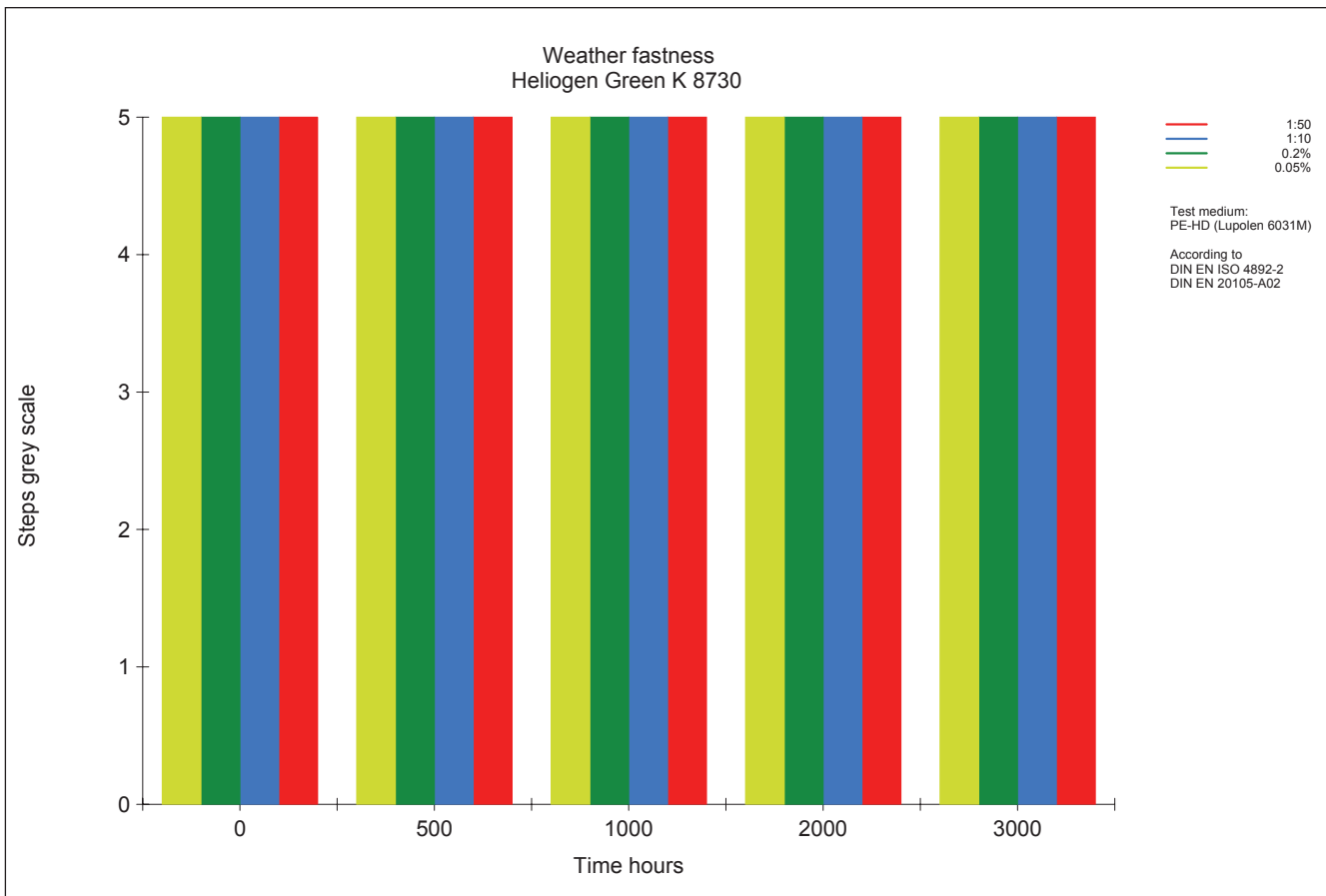
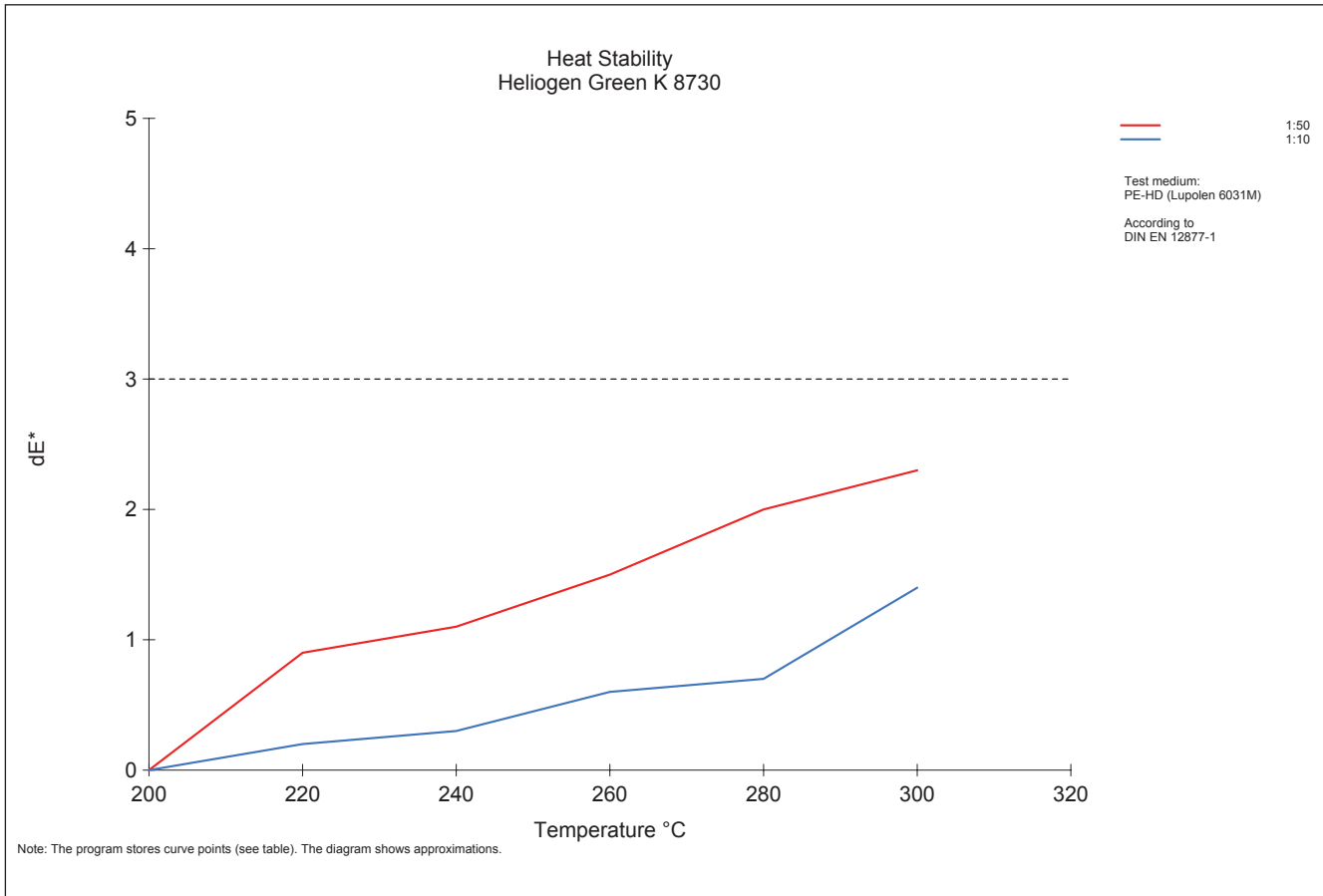
| Product | Supply form | Color strength | Content |
|---------------------------|---------------|----------------|---------|
| Eupolen® PE Green 87-3001 | powder | P. G. 7 | 65 % |
| Eupolen PE Green 87-3004 | fine pellets | P. G. 7 | 65 % |
| Eupolen PE Green 87-3005 | pellets | P. G. 7 | 40 % |
| Eupolen PP Green 87-3005 | pellets | P. G. 7 | 40 % |
| Eupolen PA Green 87-3005 | pellets | P. G. 7 | 25 % |
| Euvinyl® C Green 87-3002 | coarse powder | P. G. 7 | 50 % |
| Oppasin® Green 8730 | chips | P. G. 7 | 60 % |

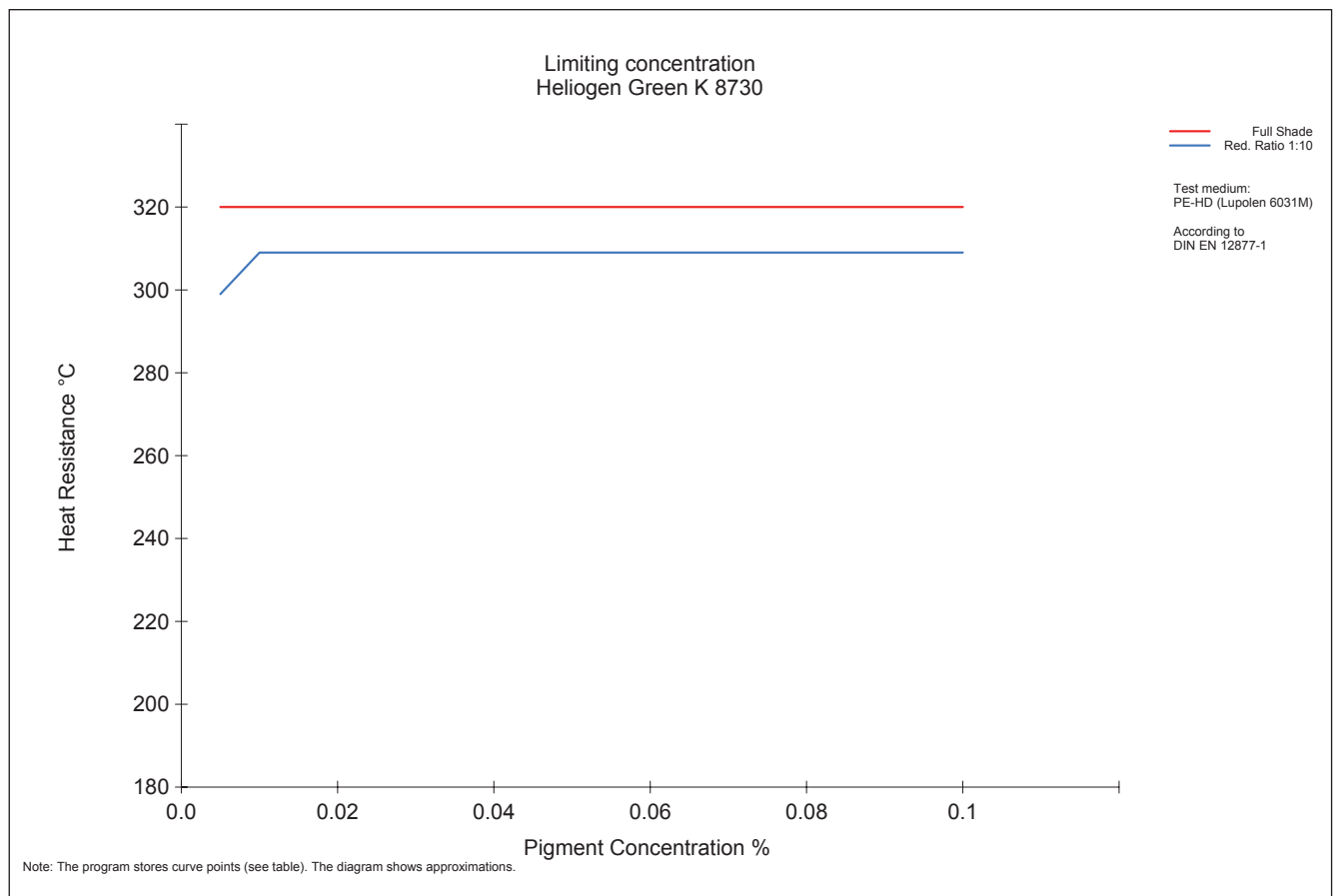
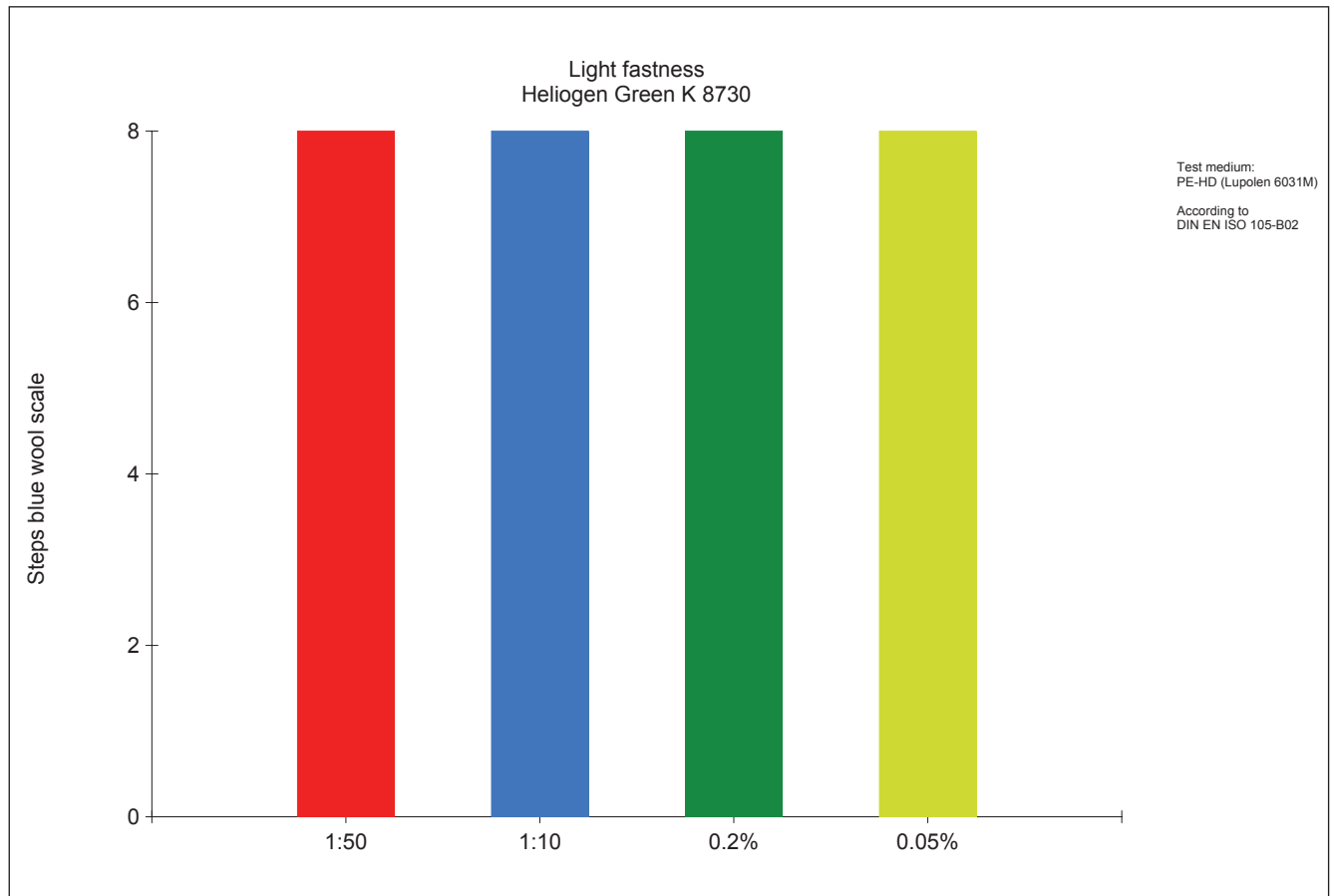
Depending on the suitability of the pigment, single pigment dispersions in polymers like PE, PP, PA, PVC etc. are available upon request.
For information please visit www.basf.com/pigment in the internet.



Microscopy – Heliogen Green K 8730







Note

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