

## BAYPLAST® Yellow 5GN 01

<b>Chemical description</b>	azo nickel complex pigment
<b>Form supplied</b>	powder
<b>Shade</b>	yellow with a green cast
<b>1/3 Standard depth</b>	0.12% pigment (determined in PVC-P with 1% TiO <sub>2</sub> )
<b>Density (23 °C)</b>	1.6 g/cm <sup>3</sup>
<b>Bulk density</b>	approx. 0.30 g/cm <sup>3</sup> (according to DIN ISO 787-11)
<b>Migration resistance</b>	5 (determined in plasticized PVC – bleeding, evaluated according to DIN 53775, sheet 3)
<b>Main fields of application</b>	Colouring of PP fibres, polyamide fibres, polyolefine and polyamide.
<b>Storage stability</b>	60 months from delivery ex plant LANXESS Deutschland GmbH

**Heat stability** in °C (approximate figures) (according to DIN EN 12877)

	HD-PE	PP	PS	ABS	PC	PBT	PET	PA 6	PA 6.6
Full shade	300	300	300	280	310	270	300	290	270
Reduction with white	300	300	300	280	310	270	300	280	270

**Lightfastness** (according to DIN EN ISO 4892-2)

	HD-PE	PP	PS	ABS	PC	PBT	PET	PA 6	PA 6.6
Purton	8	8	8	7-8	8	6-7	8	8	8
Weißaufhellung	8	8	8	8	8	8	8	8	8

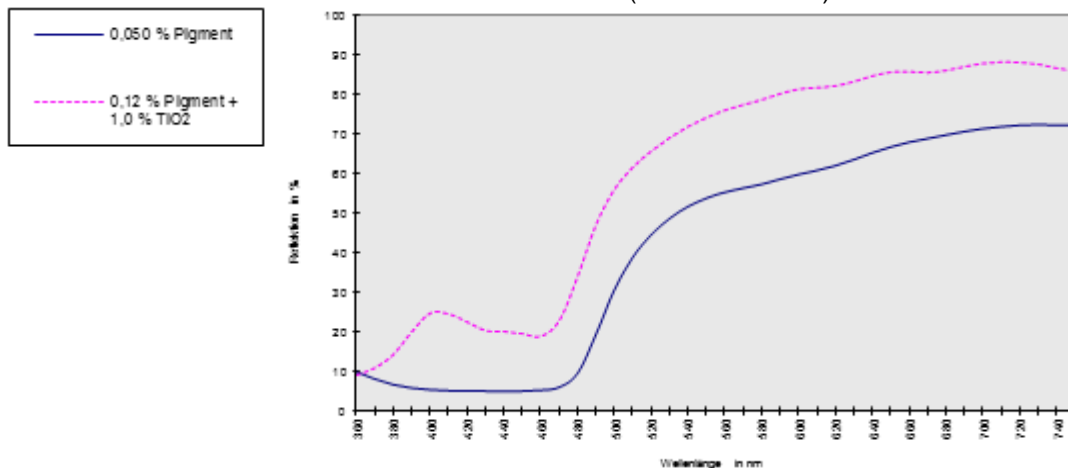
**Materials<sup>1)</sup> and concentrations<sup>2)</sup> used for testing of heat stability and lightfastness:**

- |   |   |
|---|---|
| 1) HD-PE: Sabic M80063                  | PBT: LANXESS Pocan B1505                    |
| PP: Stamyran P                          | PET: Voridian 9921 W                        |
| PS: BASF Polystyrene 143E               | PA 6: LANXESS Durethan B30S                 |
| ABS: DOW Magnum 3453                    | PA 6.6: LANXESS Durethan A30H 1.0           |
| PC: Bayer MaterialScience Makrolon 2800 | TiO <sub>2</sub> : Kerr McGee Tronox R-FK-3 |

- 2) 0.1% pigment + 1% TiO<sub>2</sub>  
(ABS 0.2 % pigment + 2% TiO<sub>2</sub>)

The test result were evaluated with the above mentioned conditions and materials. For other poly-mers, polymergrades, TiO<sub>2</sub> grades and pigment concentrations, the results can be different from the values above.

## Reflection curve BAYPLAST Yellow 5GN 01 in PP (2 mm thickness)



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