

BAYPLAST® Yellow 5GN 01

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

Materials¹⁾ and concentrations²⁾ used for testing of heat stability and lightfastness:

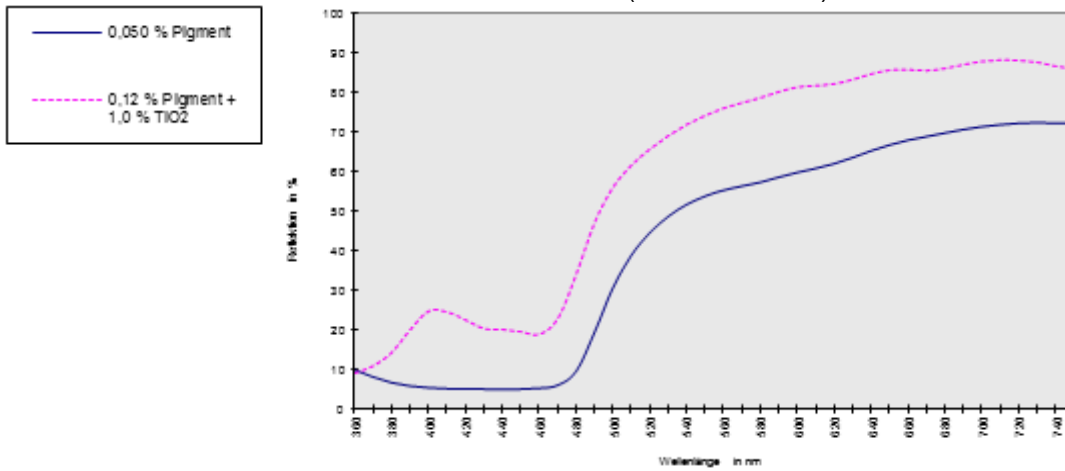
1) HD-PE: Sabic M80063	PBT: LANXESS Pocan B1505
PP: Stamyran P	PET: Voridian 9921 W
PS: BASF Polystyrene 143E	PA 6: LANXESS Durethan B30S
ABS: DOW Magnum 3453	PA 6.6: LANXESS Durethan A30H 1.0
PC: Bayer MaterialScience Makrolon 2800 TiO ₂ :	Kerr McGee Tronox R-FK-3

2) 0.1% pigment + 1% TiO₂
(ABS 0.2 % pigment + 2% TiO₂)

The test result were evaluated with the above mentioned conditions and materials. For other poly-mers, polymergrades, TiO₂ 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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LANXESS Deutschland GmbH
Business Unit Rhein Chemie Additives
Kennedyplatz 1
50569 Cologne, Germany
<http://rch.lanxess.com>

